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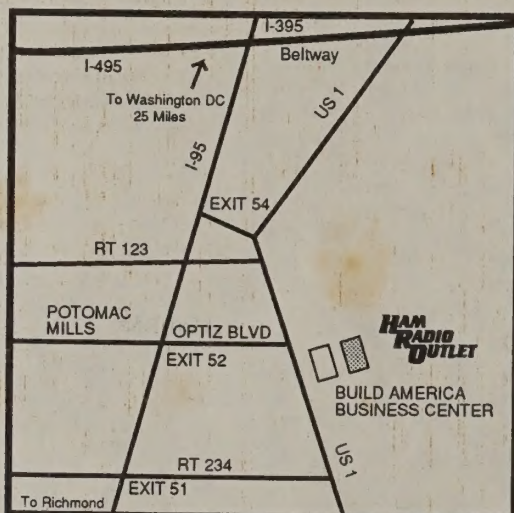




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### AUTO-CALL MAGAZINE STAFF

Editor	Ethel Smith, K4LMB (703) 536-8469
Circulation Manager	John Swafford, W4HU (703) 536-9537

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Washington Adventist Amateur Radio Association  
Washington Area Young Ladies' Amateur Radio Club  
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## EDITORIAL

### President's Corner

By Phil Russo - N3GDD

President, Foundation for Amateur Radio

**I**t pleased me to see so many old friends at the Gaithersburg Hamfest. And I made a few new friends, too. There was a great turn-out. It is estimated there were at least 6,000 people on the grounds. The regular parking lots were full by 8:30 a.m. and some quick shifting had to be arranged.

I'd like to thank our regulars for their help, as usual, and the new faces, also. This was an interesting year when it came to dealing with the facilities. Every time the dust cleared and we thought we knew the drill, the ground rules changed. Special thanks to N3CKD for keeping us all calm. And thanks to the Fireman from Florida - W3ELS. Thanks, also, to WA3DJU for holding it together in the face of challenging circumstances.

This year's debriefing will be very interesting. From all I can find out, each year the debriefings have discussed problems "to be worked around." As DJU very aptly put it, "we've been given a very interesting set of challenge." These will test all of us, but we confidently expect a smoother road next year.

New ideas are being tossed around about future hamfests. I think it's time to start developing some of these ideas. A hamfest does not have to be only indoor commercial or tailgating. How about a Special Event station, and other "Dog and Pony shows," possibly some seminars?

The possibilities are endless. Let your mind wander. What could your club do to make the hamfest more interesting and productive?

Develop your ideas -  
figure the angles -  
call me. I'm home  
most evenings.

Phil, N3GDD  
(301) 552-2918

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# Coming Events

## 1990

- Sept 29      TARA Hamfest, Huntington, WV
- Oct 14      **CARA 13th Annual Hamfest, Howard County, MD**  
              **24 Hour Information Line: 997-5052 See flyer on Page 24**
- Oct 12-13    QCWA National Convention, Kansas City, Mo  
              See flyer on page 47
- Oct 17-19    Junior High School 22 WB2JKJ Special Event activity.
- Oct 20-21    Boy Scout Jamboree-on-the-Air  
              See story on page 20
- Nov 11      Shore Area Ham & Computer Fest, Allaire Airport, Wall Township, NJ  
              For more information contact Al Jackson, NK2O  
              PO Box 635, Eatontown, NJ 07724 Phone (201) 922-8121

## 1991

- Feb 24      Vienna Winterfest
- Jul 28      BRATS Maryland Hamfest

Please keep Auto-Call advised of important Coming Events.  
We are anxious to provide our readers with timely information  
and to help you avoid possible conflicts when scheduling activities.

### **FAR Speakers Bureau**

The Foundation maintains a Speakers Listing for the local area as a resource for member clubs' programs. Herb Ley, N3CDR has taken on the task of expanding and updating this listing. He needs your input. He also needs your requests.

If you feel qualified to speak on any appropriate subject, contact Herb.

If you would like to find a good speaker for your club, contact Herb.

Herb Ley, N3CDR  
P.O. Box 2047  
Rockville, MD 20852



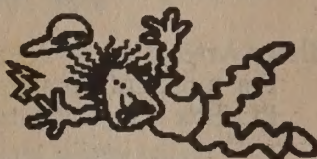
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# FCC HIGHLIGHTS

by Bill Grenfell W4GF

On August 1 the FCC "...issued a Notice of Proposed Rule Making on Morse code testing of persons with disabilities. At an open meeting, the commissioners announced NPRM 90-356, proposing amended rules "to accommodate those persons who, because of severe handicaps, have extraordinary difficulty in passing the higher speed Morse code telegraphy examinations for amateur operator licenses." The subject had been broached earlier in the June 29 and July 13 ARRL letter. "For some initial reactions to the FCC's proposal, see "Happenings" in September QST." (The ARRL Letter August 10 and 24; the W5YI Report August 15 1990.

"Richard A. Burton, formerly WB6JAC, was convicted in federal court July 20 of illegally operating a radio transmitter. "Burton, arrested May 17 following an investigation by Los Angeles area FCC engineers acting on complaints from amateurs, had been charged with three felony counts of violating sections 301 and 501 of the US Code. "In the early 1980s Burton's license was revoked for Part 97 violations. "After his appeals were turned down he was ordered off the air, but he continued to operate using his rescinded WB6JAC call sign. "On January 15, 1984, US District Court Judge Manuel Real sentenced Burton on four misdemeanor counts of operating a transmitter without a license." Following appeals, Burton served seven months in jail and five years on probation." (The ARRL Letter, August 10, 1990).

On August 2, FBI agents assisted by FCC investigators arrested Anthony V. Marcantonio, KA2ZGE, of Queens, NY, and seized 20 pieces of his radio transmitting equipment. "FCC earlier had responded to complaints that Marcantonio was "interfering with amateur radio communications by transmitting unidentified, disruptive signals on the two-meter amateur radio band," according to FCC. "On July 27, FCC investigators, using direction finding equipment, traced

the signal to the Marcantonio home," FCC said. "The investigators discussed the situation with a family member who then shut the transmitter off. "The transmissions resumed that evening and continued into the next day. "It was then, according to FCC, that Marcantonio made death threats over the radio against an FCC investigator. "Marcantonio was charged with making threats by radio, a felony carrying a penalty of up to five years in prison, a \$250,000 fine, or both." A federal judge set Marcantonio's bond at \$50,000 following a hearing. (FCC public notice, Aug. 14, 1990.)"

The FCC has sent letters to 19 net and bulletin station managers which operate in the 20 meter band and are involved in "on-going disputes" which have been occurring for some time. Commenting on the response received, FCC observed "It is obvious that the amateur community desires that the disputes be resolved amicably and that potentially restrictive rule making be avoided." "The plans recommend...that the amateur community be allowed to continue addressing this problem internally. "Interest in this approach as a model for future dispute resolution in the amateur community has also been expressed by other observers." FCC's Special Services Branch Chief, Robert H. McNamara wrote on August 9 "...Therefore, I am extending until February 1, 1991, the date for you and other interested amateur service licensees to develop the joint plan." The League (ARRL) maintains that the disputes - involving three sticking points - are resolvable by enforcement of existing FCC regulations: \* One-way broadcasts, if they go beyond accepted norms for such transmissions on the amateur bands are illegal; \* Third-Party traffic, which is allowed only when a formal agreement exists between countries; \* Malicious interference, which is illegal always. (ARRL Letter 08/24/90)(Westlink Report 08/17/90).

(Continued)



## FCC Highlights - Continued

On July 27, the ARRL filed its legal brief with the US Court of Appeals for the District of Columbia Circuit in the matter of the proposed reallocation of the 220-222 MHz band to the private land mobile service. The brief reiterates the League's position, which already has appeared in QST. Oral arguments in the case of ARRL VS FCC and the United States of America are scheduled for November 16, 1990. (ARRL Letter, 08/24/90).

While it is not allowable to request a specific call sign, any amateur may swap his current call for another one. This little-used option is available by filing with FCC a Form 610 and requesting a change in call sign (Item 2E). In return, the applicant will be issued a call appropriate for his license class, from the standard rotation of new calls. (ARRL Letter 08/24/90).

### THE LATEST CALLS ISSUED FOR THE STATESIDE, ALASKA AND HAWAII CALL AREAS WERE: AS OF 1 AUG 1990

EXTRA	ADVANCED	GENERAL/ TECH.	NOVICE
WJ1F	KC1WI	N1HYJ	KA1WGV
AA2AT	KF2VI	N2LCV	KB2KZH
WD3B	KD3TI	N3IKM	KA3WSQ
AB4YA	KN4NK	N4ZZD	KC4SGJ
AA5UA	KI5IB	N5RDS	KB5NME
AA6XF	KK6OB	N6ZZZ	KC6MWQ
AA7FO	KG7HJ	N7PIK	KB7LMF
AA8BX	KF8IO	N8MUC	KB8KOJ
WU9G	KE9YP	N9KAC	KB9FJD
AAØBQ	KFØLY	NØMHU	KBØHKI
HAWAII	AH6KN*	NH6XH	WH6CIM
ALASKA	AL7MG*	NL7UQ	WL7BZG

\* EXTRA CLASS ALSO ASSIGNED  
FROM THIS GROUP

"Amateurs in New Mexico and western Texas using the 420-450 KHz band have been asked by the Department of Defense to step up efforts to avoid interference to the White Sands Missile Range. Amateurs in the area already are restricted to 50 watts PEP, on a secondary, non-interference basis, within the White Sands Restricted area. "The US Air Force...recently asked the FCC to add an additional rule for the White Sands Restricted Area. This would require amateur operators to coordinate any operations in the 420-430 MHz band with the White Sands DOD AFC before operating there. We understand that this request has been approved by the FCC, in principle, and will be incorporated in the future." (ARRL Letter, 08/24/90).

"...at least one United States amateur now faces severe sanction from FCC for violating Part 97 rules dealing with restrictions on news gathering for the press using ham radio. "It appears that William Parker, (licensee of Amateur station W4YKH) may now be in serious trouble after he was monitored and recorded while allegedly acting as an information source for the..." NBC's "Network News Department during the Trinidad incident three weeks ago."(late July) For example (C6ANX to W4YKH): "...a truce has been arrived at, lets put it that way...at this time. QSL?" "W4YKH: Oh that's very good" Yeh We're just feeding this stuff into NBC News, up here in Washington, D.C.,and you've been doing a good job all day; we've been listening..."

Gf





# American Radio Relay League Report

By John Swafford -- W4HU

*This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.*

---

## CONFRONTATION.

Ed: Highlights of editorial from Sept QST. It's timely and important message warrants everyone's consideration.

As we go forward to WARC-92 we have much to be proud of. But there are also some disturbing trends. One of the most troubling is an increase in on-the-air confrontation. It's hurting us; it has to stop!

At any given time, about 98% of the communications in the ham bands are going along just fine. There are no big problems, and if little ones develop -- two stations finding themselves on the same frequency, for example -- they're resolved amicably and without fanfare. QRM? No problem -- just move up or down the band a nudge. Like two lanes of traffic merging into one, if there's mutual respect and everyone behaves the bottleneck is soon past and forgotten.

Unfortunately, there's the other 2%.

Just like gridlock in a busy intersection, it doesn't much matter who's right and who's wrong. Anyone who could have avoided the confrontation is at fault, and the innocent people who end up suffering are right to want them held accountable.

We know how to deal with traffic problems. We require that drivers know the rules of the road, and we pay taxes so police will be around to enforce them. If someone thoughtlessly cuts us off or passes us going a few miles an hour over the speed limit, we don't chase after them and try to force them to the side of the road; that behavior would be too crazy even to contemplate, and more of a hazard than what provoked it.

With the help of auto-patches and cellular telephones, good citizens can aid in their apprehension without endangering themselves or others.

Why don't we do the same on the ham bands? Why don't we shrug off the occasional discourtesies, leave the minor infractions to the routine "traffic patrols," and deal with what we believe to be major violations by alerting the authorities? Why, instead, do we end up with on-the-air confrontations where everyone loses?

First, some of us don't realize that there are routine patrols of the ham bands. But there are. Hundreds of ARRL Official Observers carry on a sixty-year tradition by calling attention to operating discrepancies in a friendly, constructive manner -- but to avoid a defensive response, never on the air.

Second, some of us have lost faith in the ability of the authorities to maintain order. Radio amateurs who have lost faith should take heart from the record of FCC Chairman Alfred Sikes. In his first year in that post, Mr Sikes has made it very clear that he is committed to enforcement. What had been a trickle of news releases detailing FCC enforcement actions has become a steady stream.

They should also take heart from the performance of our own Amateur Auxiliary to the FCC's Field Operations Bureau. While the Commission's monitoring resources are limited by budgetary constraints, well-trained members of the Amateur Auxiliary help plug the gap by providing evidence good enough to be used in Commission enforcement actions. And it is being used; patient work is reaping dividends.

At the very least, let's not be guilty of compounding the problem. When the authorities do draw a bead on the guys in the black hats, we want them to have a clear field of fire. -- Dave Sumner, K1ZZ

(Continued)



## ARRL REPORT - Continued

### TESTING OF DISABLED.

A Notice of Proposed Rule Making on Morse code testing of persons with disabilities was made on August 1. This NPRM 90-356 was made "to accommodate those persons who, because of severe handicaps, have extraordinary difficulty in passing the higher speed Morse code telegraphy examinations for amateur operator licenses."

While the subject had been broached earlier (see ARRL Letter, June 29 and July 13, 1990), specific written information was not made available until after the Arrl Board of Directors had held their second 1990 meeting late last month.

For some time, volunteer examiners have exercised discretion in accommodating persons with disabilities, giving them several options in the testing of Morse proficiency. Rules say "The administering VEs must accommodate an examinee whose physical disabilities require a special examination procedure. The administering VEs may require a physician's certification indicating the nature of the disability before determining which, if any, special procedures must be used."

On July 18, in a letter to volunteer examiner coordinators, FCC went a step further, asking VECs to "please expand the special procedures the VEs make to accommodate handicapped individuals."

In that same letter, they said "The Commission's policy is to exempt from the 13 and 20 wpm examinations persons holding a current, or within the renewal grace period, Novice, Technician, General, or Advanced Class operator license who, because of their severe handicaps, cannot pass these examinations even when the above special accommodation procedures are used."

At the same time, volunteer examiners were given specific instructions for obtaining a physician's certificate (to the examinee's disability) as well as guidelines for applying to FCC for a total waiver of the 13 and 20 wpm Morse examinations for those individuals.

In its June 15 statement, FCC codified procedures for accommodating disabled applicants, saying that special testing -- such as substituting a sending for a receiving test, or pausing the CW tape to allow the examinee to speak or otherwise communicate the message to the examiner -- now could only be done given a physician's certificate of disability.

The aim in accommodating disabilities is to encourage the applicant to make a "good faith effort" to pass the exam. In a recent letter to its volunteer examiner teams, the ARRL said "In most cases, the (flexibility specified by FCC) will allow the candidate to pass the Morse code examination on his/her own -- therefore not requiring a waiver of the Morse code requirement because these procedures may have accommodated the severe handicap or disability."

In its letter to license applicants, ARRL says "We would hope that you have at least attempted to pass the examination using the new, more flexible examination procedures announced by the FCC June 15, 1990.

The Morse requirement in its most basic form has not been eliminated -- waivers are available only to applicants already holding at least a Novice Class license. This meets international requirements (for operation below 30 MHz) that the licensee have demonstrated a knowledge of Morse.

ARRL also has provided volunteer examining teams with instructions to physicians, along with the proper form for the physician's letter to follow. Since physicians generally are not Morse proficient and may have little idea of the skills and abilities needed to become so, the League's instructions to them contain a brief tutorial on both Morse code and on how Morse examinations normally are administered.

The NPRM 90-356 closes with this: "...the proposed rule changes would be more efficient and effective than reviewing waiver requests from severely handicapped individuals on a case-by-case basis." The Commission asks for comments "on all aspects of this proposal."



## ARRL Report - Continued

It is anticipated that volunteer examiners in particular will have something to say, both about the proposal itself and about the way in which the new procedures were announced, then spelled out, and finally followed by an NPRM initiated by the Commission itself.

As the League noted in its latest message to VE teams, now that an NPRM has been issued, the time has arrived for examiners "to express their philosophical and procedural concerns."

**BLIND HAM HONORED AT WHITE HOUSE.** A 21-year old Extra Class ham who has been totally blind since age 9 has received the Recordings for the Blind 1990 Scholastic Achievement Award. Scott Charles LaBarre, KT0U, of Woodbury, Minnesota, a recent graduate of St. John's University, in Collegeville, Minnesota, received a check for \$3,000 from the General Electric Company for "extraordinary scholarship, intellect, enterprise, and service to others."

LaBarre, who plans to enter law school this fall, earned his Novice license at age 13 and his Extra by 14, through the Golden Valley, Minnesota-based Handi-Ham System. For more information on Handi-Hams, who have helped thousands of disabled people to become licensed, write to Courage Handi-Ham System, 3915 Golden Valley Road, Golden Valley MN 55422.

### **DXCC AUTOMATION UPDATE.**

A little known benefit of DXCC automation currently underway is that QSL cards will need be submitted only once for the multitude of awards now available from DXCC. Once a card has been processed and logged with call sign, date, band and mode, credit will be available in future years for an applicant's band and mode endorsements.

That's the good news. The flip side is that the DXCC backlog is expected to worsen somewhat over the next year or more, as the process of "backfilling" continues. Several HQ staffers are working overtime (up to 40 hours a week) on the initial phases of automating the DXCC Branch, which now is processing submissions made in March. Mail received after

June 1, which will be processed in September, will be the first to be done entirely by computer. At that time, the process of backfilling will accelerate, adding temporarily to the backlog.

### **OH! WHAT AN EXPEDITION.**

An all-Finnish team will invade the Caribbean island of Curacao in the Netherlands Antilles for the 1990 CQ Worldwide DX Contest. 55 operators and 40 support personnel will occupy both the Coral Cliff Hotel (a longtime Amateur Radio haven) as well as clear out acres of brush adjacent to the hotel in order to set up additional stations in construction trailers.

Radio Team Finland will sign PJ9W on SSB for the 'phone contest the last week-end of October, and PJ9A on CW at the end of November. Towers and antennas are currently being assembled and tested in Finland by OH6RM before shipment to the island. They will include a wire beams on 160 meters, a 3-element Yagi on 80 and stacked Yagi arrays on 40-10 meters. Rigs will be 15 Yaesu FT-1000s, with amplifiers

**BRIEFS.** \* In the continuing effort to attract young people to technical pursuits, Carole Perry, WB2MGP, recently addressed members of the Society of Women Engineers at their meeting in New York. Perry told the group's education forum of the League's work to encourage youngsters to take up Amateur Radio, and suggested possibilities for cooperation between the League and the Society. Getting more young people into technology and science "is a national problem and one that requires a concerted effort between commercial interests and educational institutions of all kinds," she said.

"As I made the case (for Amateur Radio)," Perry said, "I was gratified to see how well received the information was with the group in attendance."

WB2MGP was the 1987 ARRL Professional Teacher of the Year as well as the Dayton HamVention Ham of the Year in 1987.

(Continued)



## ARRL Report - Continued

\* On July 27, the ARRL filed its legal brief with the US Court of Appeals for the District of Columbia Circuit in the matter of the proposed reallocation of the 220-222 MHz band to the private land mobile service. The brief reiterates the League's position, which already has appeared in QST. Oral arguments in the case of ARRL vs FCC and the United States of America are scheduled for November 16, 1990.

\* The ARRL Library has expanded. Weather Satellite Handbook by WB8DQT now is available and initial interest in this publication has been very strong. Cost is \$20 plus \$3.50 shipping and handling. For VHFers, the proceedings of the 24th Central States VHF Conference, held July 26-29, also is available, for \$12.00.

\* While it is not allowable to request a specific call sign, any amateur may swap his current call for another one. This little-used option is available by filing with FCC a Form 610 and requesting a change in call sign (Item 2E). In return, the applicant will be issued a call appropriate for his license class, from the standard rotation of new calls.

\* The League once again has asked FCC to take action on international intruders in our HF bands; cited this time were two Soviet stations on 20 meters, as well as five intruders on 17 meters, coming from China, Argentina, the Soviet Union, and Sudan.

\* AMSAT has announced that the 1990 AMSAT Space Symposium will be held at NASA's Johnson Space Center Visitor's Center in Houston on Oct. 19-21, and will be hosted by the Johnson Space Center Amateur Radio Club (W5RRR). The symposium will feature talks on amateur space communications and related subjects including the new Microsats.

\* The cost of the ARRL's "All Risk" Ham Radio Equipment Insurance Plan will increase on Oct. 1, from \$1.25 per 100 of equipment insured to \$1.50, the first increase in three years. Those currently enrolled in the plan will be notified of the increase in their next premium notice. For information on the insurance plan, write to Albert H. Wohlers & Co., 1440 N. Northwest Highway, Park Ridge IL 60068.

\* October QST will announce new awards for November Sweepstakes participants. Make 100 or more contacts on either CW or phone, send two dollars and an SASE along with your SS entry, and you'll get a special pin in return. The Pins will be dated each year, making them unique.

The SS announcement also will contain new specified band segments for slow speed CW (up to 13 WPM).

\* Oleg goes home! On Aug. 15 Oleg Murugov, UA4FAY, injured in a May auto accident, finally went home from the hospital in Ryazan, RFSFR. Murugov, recovering from severe injuries, has been aided by effort of a number of American amateurs. Of gravest concern was brain injury; Murugov initially was in a coma. Soviet physicians received advice and encouragement from several American medical specialists during his first few weeks of hospitalization.

"Oleg is much stronger and can shake hands," said his friend Igor, of club station UZ4FWO, "although the right side is still partially paralyzed. He walks with the help of one person and can feed himself with his left hand."

\* On July 26 the U.S. Department of State announced that the United States government has recognized the Republic of Yemen, formed by the union of the former Yemen Arab Republic and the People's Democratic Republic of Yemen. The names to be used for this nation are Yemen (short form) and Republic of Yemen (long). ARRL's DXCC branch has asked that NO QSLs be submitted for either the former or current Yemen(s) until DXCC status of the new country is determined.

\* Are you stressed out over the Morse code? Would rather sleep? PASS Publishing (PO Box 570, Stony Brook NY 11790) has announced hypnosis tapes for learning the code, increasing your speed, even mastering those special techniques DXers and contesters use without even having to turn on a radio or even get a license.

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## PUBLIC SERVICE REPORT

Hank Black - N3ESR

(301) 340-8595

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*"Material for the PUBLIC SERVICE REPORT can be left to N3ESR on the WA3ZNW packet bulletin board on 145.09 MHz, called by telephone, or mailed electronically by modem on arrangement, or mailed to Public Service Report, 105 North Van Buren St., Rockville, MD 20850-1860. Deadline for receipt of material is the third of the month."*

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### MILITARY DISTRICT GETS NEW EC

Dick Lum, NH6E, has been appointed as ARES Emergency Coordinator for the Military District of Washington, effective August 18, 1990. Dick replaces Frank Hartnett, KA8PUU, who resigned the position earlier this year.

Dick reports to Harry Jones, N4CWP, the District Emergency Coordinator for Virginia's National Capital District #2.

### VIRGINIA EXERCISES PLAN USING AMATEUR RADIO

by Steve Czaikowski, WB4ZTR

Virginia Operational Plan Exercise (VOPEX) 1-90 was held August 7-8, 1990, at the North Anna Nuclear Power Station.

Virginia RACES responsibility is quoted from the "VOPEX Administrative Instructions and Scenario": "RACES will provide the primary fixed formal message means of radio backup communications between the State and local government EOCs, Evacuation Assembly Centers and state staging and operational sites. NOTE: RACES communications will be established during Site Area Emergency if not earlier."

The purpose of this VOPEX drill was to provide training and familiarize participants in the radiological emergency response procedures that are outlined by local, state, and federal requirements. The event centered around a hypothetical earthquake which lead to a simulated radiological emergency at the North Anna Power Station. The exercise was controlled by the Virginia Department of Emergency Services, and evaluated by a number of Federal agencies, including the Federal Emergency Management Agency (FEMA) and the Nuclear Regulatory Commission (NRC).

Participants included many Virginia State agencies including Agriculture, Air Pollution, Governor's Office, Social Services, State Police, Extension Services, and Department of Emergency Services; the local governments of Caroline, Hanover, Louisa, Orange, and Spotsylvania Counties; and the facility operator, Virginia Power.

RACES set up communications among and between the following locations: Virginia Primary EOC (Emergency Operations Center) in Richmond (WB4ZTR, K4LMY, N4EXQ, WA4YPV, WA4FEJ, W4JLS); Virginia Power Innsbrook Technical Center (WA2FDA, AA4SV); Louisa County EOC (NM4R, N4FWA, W6UZ); North Anna Power Station LEOF (Local Emergency Operations Facility) (K4MTX, W2HD); Caroline County EOC (AA4OH, KK4YR); Caroline County EAC (Emergency Evacuation Assembly Center) (KM4IN); Hanover County EOC (WA4CQX, N4YSI); Patrick Henry High School,



## Public Service Report - Continued

Hanover County (KB4LIH); Hanover County EAC (WA4OPW, KB4VUT; Hanover Communications Center (KC4BRT); Spotsylvania EOC (KA4ERP, KB4XF, WB4IUB, N4WB, K4ME); Spotsylvania EAC (WB4LNT, N4LZJ); Orange County EAC (KK4GZ, N4GJW); Radiological Monitor Teams (WA4SHV, N4GCL, WB8JZQ, WA4CRL, KJ4KX); Williamsburg EOC (W3ATQ); New Kent County EOC (WA4OVW).

Modes of communication used included VHF packet, VHF voice, and HF voice.

RACES was notified to activate at 0947 hours on the morning of August 7, and the call-up was accomplished on the Richmond 145.43 repeater at 0950 hours.

The Virginia Emergency Net Alpha (VEN/A) was activated at 0950, and operations were secured at 1630 hours. VEN/A Net Control Stations included W4JLS, W3ATQ, N4GHI, WB4ZNB, and KB4NGO. Since this was a RACES operation, only formal, written traffic was handled.

Preparation for the exercise included notification of the respective District Emergency Coordinators (DECs) by WB4ZTR of the upcoming exercise, and distributing preliminary information so that RACES operators could plan to participate. Since the drill is held on a weekday, permission for time off had to be obtained from employers, and other arrangements had to be planned. This year's volunteers included many "old timers" who have seen several VOPEX exercises, and several "new comers," who experienced their first RACES drill. Communications by RACES went very well, with Federal evaluators giving RACES grades of "Good" to "Excellent."

Special thanks go to those who were involved in the planning and training of this year's VOPEX exercise: Jim Brodhead, DEC for Upper Rappahannock District #4, who lined up most of the RACES operators; Bob Smith, WA4YPV, of Richmond, who coordinated the packet training, and did such a super job getting the information out; Earl Bishop, N4EXQ, Va. EOC Radio Officer, who lined up operators for some of the "hard to get" spots, and coordinated with Virginia Department of Emergency Services.

And, most importantly, the RACES volunteers mentioned above who freely gave their time and abilities to make this year's exercise a success.

To each of you, a warm, fraternal "Thank You" for a job well done. I have mailed a comment sheet to each participant, and welcome ideas, comments, and suggestions for improving future exercises. I hope that everyone involved went away with a positive attitude, learned from the day's events, and are developing strategies to use in the event of a RACES activation.

## PUBLIC SERVICE CALENDAR

Oct. 1st Wheel Chair Race of Champions, Old Dominion Bike Trail  
Contact Bob Lewis, N4SCK, (703) 830-3495

Oct. 6th National Capital ARES Council Mtg.  
10 a.m., Skyline Office Building  
Contact Harry Jones, N4CWP, (703) 204-1781

Oct. 28th Rockville 8K Run  
Contact Hank Black, N3ESR (301) 340-8595

Nov. 10th Marine Corps Marathon  
Contact Dick Lum, NH6E (703) 938-9215



## **VIRGINIA ARES/RACES STRUCTURE**

Section Emergency Coordinator & Virginia RACES Emergency Coordinator  
Steven P. Czaikowski, WB4ZTR (703) 869-3674 (H), (703) 465-5152 (W)

### **Northern Shenandoah District #1**

District Emergency Coordinator  
John Anastas, KJ4EK (703) 667-6046 (H)

EC Clarke County: Vacant

EC Frederick County: Vacant

EC Shenandoah County: Bill Casilear, WD4CDT (703) 459-8002 (H)

EC Warren County: Tom Strickler, K4JNA (703) 635-3035 (H)

EC Page County: George McCulloch, WA3WIP (703) 743-3532 (H)

Official Emergency Station:

Rick Fravel, N4FNT

### **National Capitol District #2**

District Emergency Coordinator  
Harry Jones, N4CWP (703) 204-1781 (H), (703) 202-1566 (W)

EC Arlington: Craig Church, N4EFJ (703) 979-8325 (H)

EC Alexandria: Chuck Rexroad, N4HCP (703) 931-2917 (H)

EC Fairfax County: Bob Lewis, N4SCK (703) 830-3495 (H)

EC Fauquier County: Bob Taylor, KC4CVG (703) 439-2786 (H)

EC Loudoun County: Bill Roemer, K3CUU (703) 742-6154 (H)

EC Prince William Co: Harry Vorhauer, W4PVA (703) 368-6050 (H)

EC Military Dist. of Washington: Dick Lum, NH6E (703) 938-9215

Official Emergency Stations:

Geri Sweeney, N4GHI

Jeff Wilkes, W4NFA

Dick Lum, NH6E

### **Northern Piedmont District #3**

District Emergency Coordinator  
Morris Jones, NM4R (804) 293-5203 (H), (804) 924-6084 (W)

EC Albemarle & Greene Counties: Bill Day, N4AOP (804) 971-3055 (H)

EC Fluvanna & Louisa Counties: Dave Richards, KM4MP (804) 589-8334 (H)

Official Emergency Station:

Vacant

### **Upper Rappahannock District #4**

District Emergency Coordinator  
Jim Brodhead, KA4ERP (703) 972-2566 (H), (703) 371-6110 (W)

EC Orange, Rappahannock, Culpeper Counties:

Malcolm Gray, KK4GZ (703) 854-4342 (H)

EC Spotsylvania County: Jim Brodhead, KA4ERP (703) 972-2566 (H)

EC Madison County: Tony Deivert, W4MFX (703) 948-6327 (H)

EC Stafford, Caroline, King George Counties:

Jack Cavanagh, KB4XF (703) 373-7076 (H)

Official Emergency Station:

Jim Brodhead, KA4ERP

For additional information on ARES or RACES in Virginia, please contact your local ARES Emergency Coordinator or Steve Czaikowski, WB4ZTR (packet mail to WB4ZTR @ WB4D.VA). If you are interested in filling a vacancy as Emergency Coordinator, or want information on serving as an Official Emergency Station, contact WB4ZTR.

-submitted by Steve Czaikowski, WB4ZTR



## Another change in Virginia ARES Structure.

John Anastas, KJ4EK, of Clear Brook, Virginia, has been appointed ARES District Emergency Coordinator for Virginia's Northern Shenandoah District #1, effective August 22, 1990. John replaces Walt Quitter, NC4B, who was recently elected President of the local chapter of the National Association of Retired Federal Employees (NARFE), and needed more of his "free time" to pursue those interests. John holds an Extra Class license, and is active in NTS as well as ARES activities. His son-in-law is N4VJK (was a HAM ticket a prerequisite for marrying your daughter, John?).

## Updates For Maryland ARES Roster

The EC for Charles County is, Bill Rogers, N4ITE

Rt. 1 Box 138, White Plains, MD 20695 (301) 645-4623.

The current sked for the PG ARES NET is Wednesdays 2100 local on 147.78/18.

-submitted by Rick Creager, KK4GV @ WA3TAI - President SMARC.

EC for Caroline County is Eddie Martin, NI3U

P.O. Box 429, Ridgely, MD 21660, (301) 634-2041.

EC for Howard County is Ed Wallace, K3EF

9905 Carillon Drive, Ellicott City, MD 21043, (301) 465-0092.

-additional listings submitted by Mike Carr, WA1QAA, SEC for Maryland-DC.

A complete roster for the MD-DC ARES will be published in the next issue of Auto-Call.

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# FOUNDATION FOR AMATEUR RADIO

## Volunteer Examiner Cooperative

Nancy Draheim - NK4U  
3513 Old Post Road, Fairfax, VA 22030  
(703) 691-0078

### SCHEDULE OF EXAMINATIONS 1990

*IMPORTANT NOTE: If you now have a Technician class license which was acquired prior to March 21, 1987, have a copy of it available when you decide to upgrade.*

#### EXAMS

- Sept 28    Stafford Area Repeater Assn. (Stafford, VA) (W5YI VEC) Walk-in  
            Contact: David Boyd (703) 659-6241
- Sept 29    Arlington Amateur Radio Club (Arlington, VA) (ARRL VEC) Walk-in  
            Contact: Joe Shepherd, AB4RA (703) 243-5734
- Oct 6      University of Maryland (College Park) (W5YI VEC) Walk-in  
            Contact Scott Rsenfeld, NF3I (301) 963-4008
- Williamsburg Area ARC (Williamsburg, VA) (ARRL VEC)  
            Contact: Andrew Swanson, WJ4X (804) 253-2811
- Anne Arundel ARC (LARC VEC) Pre-registration requested  
            Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115
- Oct. 27    Laurel ARC (Laurel, MD) (Laurel VEC)  
            Contact: John Creel, WB3GXW (301) 572-5124
- Oct. 28    Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration  
            Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Nov 3      Portsmouth ARC (Portsmouth, VA) ARRL VEC  
            Contact: Art Thiemens, AA4AT (804) 484-2857
- Middletown VE Team (Middletown, VA) (ARRL VEC)  
            Contact: Walt Quitter, NC4B (703) 869-5241
- University of Maryland (College Park) (W5YI VEC) Walk-in  
            Contact Scott Rsenfeld, NF3I (301) 963-4008
- Nov 10    Massnuttan ARA (Harrisonburg, VA) (ARRL VEC)  
            Contact: Wayne Miller (703) 434-4424
- Anne Arundel ARC (LARC VEC) Pre-registration requested  
            Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115
- Nov 17    Ole Virginia Hams (Manassas, VA) (ARRL VEC) Walk-in  
            Contact: Harry Vorhauer, W4PVA (703) 368-6050
- Nov 18    BRATS (Baltimore, MD) (Laurel VEC) Walk-in  
            Contact: Les McClure, W3GXT (301) 833-8667
- Nov 24    Laurel ARC (Laurel, MD) (Laurel VEC)  
            Contact: John Creel, WB3GXW (301) 572-5124

(Continued)



## Volunteer Examiner Cooperative - Continued

- Dec 1 Virginia Beach ARC (Virginia Beach, VA) (ARRL VEC)  
Contact: Tom Weikel, KA4UNC (804) 340-7697  
University of Maryland (College Park) (W5YI VEC) Walk-in  
Contact: Scott Rsenfeld, NF3I (301) 963-4008
- Dec. 8 Montgomery College (Germantown, MD) (ARRL VEC)  
Contact: John Muller, W3QF (301) 564-0178  
PROS (Salisbury, MD) (Laurel VEC) Walk-in  
Contact: Dave Bridge, KB3MT (301) 436-8360  
Anne Arundel ARC 9LARC VEC0 Pre-registration requested  
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115

### 1991

- Jan 5 GWU/Dept of State (Washington, DC) (ARRL VEC) Walk-in  
Contact: Derrill Rohlf, W3WOX (301) 423-0179
- Jan 20 Richmond Frostfest (Richmond, VA) Pre-registration Required  
Contact: Al Bailey (804) 233-6461
- Jan 27 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration  
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Mar 9 PROS (Salisbury, MD) (Laurel VEC) Walk-in  
Contact: Dave Bridge, KB3MT (301) 436-8360
- Apr 28 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration  
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Jun 8 PROS (Salisbury, MD) (Laurel VEC) Walk-in  
Contact: Dave Bridge, KB3MT (301) 436-8360
- Jul 28 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration  
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Sep 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in  
Contact: Dave Bridge, KB3MT (301) 436-8360
- Oct 27 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration  
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Dec 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in  
Contact: Dave Bridge, KB3MT (301) 436-8360

While most examinations are offered on a walk-in basis,  
pre-registration is desirable in all cases.

Certificates of successful completion for theory tests  
are not always accepted. Check with the contact person  
for the examination you wish to take.

This schedule of examinations appears each month in Auto-Call Magazine  
Sponsored by the Foundation for Amateur Radio



# Training Classes

**Robert Armstrong, WA4SQL**

44 South French Street, Alexandria, VA 22304

(703) 751-2294

**Novice Class Training course starting September 26, Vint Hill Farm Station, Warrenton, VA.** Conducted by Fauquier Amateur Radio Club. Classes start at 7:00 p.m. each Wednesday at Vint Hill Farm Station and will be in session for ten weeks. For additional information contact Bill Mills - KC5PF (703) 937-4090 or (703) 818-3955.

**Novice Course starting end of September, Laurel, MD.** Sponsored by Laurel Amateur Radio Club. Classes will run approximately 10 weeks. There is no charge for the class but students must provide some course materials. For further information call John Albertine - W3GFS (301) 490-5286.

**Novice Training Classes, Baltimore, MD.** Sponsored by BRATS. Classes are being held on an on-going basis every Friday evening at American Red Cross; 4700 Mt. Hope Drive, Baltimore (near Reisterstown Road Plaza Metro Station). Class is free; Materials (which you can keep) consist of a book and tape and cost \$19.90. For registration or information, contact Jeff Salamon, N3FHT at (301) 484-1362

**Novice and Upgrade Classes, Lexington Park, MD.** Sponsored by St. Mary's County Amateur Radio Assn. For further information contact WD8OYG or call (301) 862-2214.

**Novice Classes, Severn, Maryland, Probably starting in January** Sponsored by Maryland Mobileers. For information call Bill Dillon, WA3SCW (@ WB3V in Packet)

## GENERAL INFORMATION

<u>Club</u>	<u>Contact</u>
Alexandria Radio Clu	Harry Jones - N4CWP (703) 204-1781
Anne Arundel	Tony Young - WA3YLO (301) 262-1917
Antietam Radio Assn.	Mike Vaia - WB8VBW (301) 797-1573
Arlington ARC	Fred Bardsley - WD4DHW (703) 533-0372
Baltimore ARC	Phone 1-800-HAM TALK
BRATS	Jeff Salamon - N3FHT (301) 484-1362
Chaverim, Inc.	Bob Teitel - W3IDT (301) 654-3484
Fauquier ARC	Bill Mills - KC5PF (703) 937-4090 (H), 818-3955 (O)
Frederick ARC	Steve Bauman - W3FOA (301) 662-4552
Laurel ARC	John Albertine - W3GFX (301) 490-5286
MADRAS	Larry Ziecheck - N3GKZ (301) 530-8646
Montgomery ARC	Ken Nichols - KA3KGL (301) 977-5405
Mount Vernon ARC	John Forrest - WZ4A (703) 971-3905
NASA/Goddard ARC	Vikki Gigante -KA3PVS (301) 249-2609
Pentagon ARC	David Boyd - K9MX (202) 697-0630
Rock Creek ARA	Walt Ramsey - AK3B (301) 949-3954
Shenandoah Valley ARC	Guy Black - W4PSJ (703) 722-4952
Southern Maryland ARC	Vic Curtis - WA3YUV (301) 888-1388
Sterling Park	Art Nevins - WA4NTP (703) 437-9382
Tri County ARC	Al Sines - WA3QGA, Box 710, College Park 20740
Vienna Wireless	Paul Wilkins - AB4CY (703) 560-2779
Washington Adventists	Henry Miller - W3BWN (301) 474-7376
Woodbridge Wireless	Loyd Davis - K8EI (703) 360-0248

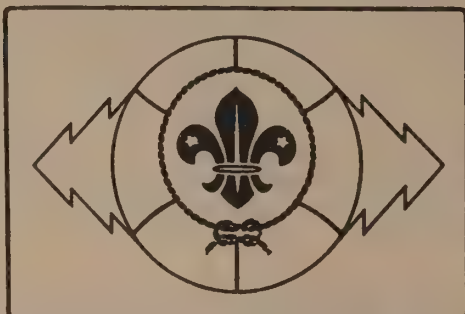
Please keep the Training Chairman advised of any changes



# Scout Jamboree On The Air

October 20-21

Jamboree On The Air (JOTA) is an annual Scouting/Amateur Radio event sponsored by the World Organization of the Scout Movement. This year, JOTA-90 will be held on the weekend of October 20-21.



The JOTA operation is from Saturday, 0001 local time, to Sunday, 2400 local time, though some activity flops over from Friday to Monday to take advantage of DX time differences. The calling frequencies are:

Add your voice or fist to those of the thousands of hams who will be participating in this activity and invite some Scouts into your shack or club station so they can take part in this important Scouting event. Give them a first hand introduction to the challenges and the wonders of Amateur Radio.

Thousands of Amateur Radio stations around the globe participate each year in one of Scouting's largest international events. Many countries issue special radio call signs for Scouts to use during the JOTA weekend. Some good ones to listen for are K2BSA, the BSA Headquarters in Texas; HB9S, the World Scout Bureau HQ in Switzerland; and GB2GP, located at Gilwell Park, England. JOTA is open to Scouts and Scouters of all ages, to Amateur Radio operators; and in fact, to anyone interested in doing a Good Turn for Scouting and Amateur Radio. During the weekend, participants will have the opportunity to carry on local and international conversations, establish pen-pal friendships, and arrange to exchange photos, badges, patches, and exotic QSL cards.

In the United States, many BSA councils and districts hold *Camporees* to coincide with the JOTA weekend, where Amateur Radio operators set up portable "Field Day" type operations, giving the campers a chance to exchange greetings with Scouts everywhere.

CW: 3,590; 7,030; 14,070; 21,140; 28,190  
Voice: 3,940; 7,290; 14,290; 21,360; 28,350

Please move off these calling frequencies to avoid QRM  
PACKET, RTTY, SSTV, ATV on usual frequencies.  
Check the Novice frequencies

The Jamboree is not a contest. Exchanges should be relaxed and relate generally to Scouting and Amateur Radio. QSLs are appreciated. Brief reports of interesting incidents and photos with captions are especially welcomed for the BSA report to the World Bureau. Send them to JOTA Coordinator, International Division, S221, Boy Scouts of America, 1325 Walnut Hill Lane, PO Box 152079, Irving, TX 75015-2079; not later than November 15.

The JOTA-90 Amateur Radio focal point for the National Capital Area Council (NCAC) is Mr. David Williams, K7HMP. Amateur Radio clubs and/or operators interested in JOTA-90 activities are encouraged to contact Mr. Williams for additional information on Scout groups within their local areas. He may be reached by phone at home on (703) 430-1594 or at the office on (202) 767-4098.

The NCAC covers the District of Columbia; the Maryland counties of Calvert, Charles, Frederick, Montgomery, Prince Georges, and St. Marys; and the Virginia counties of Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Prince William, Spotsylvania, & Stafford.



## DXing With a Serious Side

By Ken Easton, N3HLY

Dxing can be a lot of fun, but I found a serious side last month that brought me a great deal of pleasure and satisfaction.

While tuning the 10-meter band on August 6, I heard 5Z4BI calling. That was a new call for me and I tuned my RIT for clarity. Checking the country prefix chart, showed the call was coming from Kenya in Africa.

5Z4BI was calling KB5KBF in Dallas. There was no response, but then I heard the caller talking to a Botswana station about a little girl who had been badly burned. It seemed there had been a pre-arranged radio contact planned with KB5KBF in Dallas. KB5KBF was the little girl's grandmother.

5Z4BI then said to Botswana that he would have to leave the air for a few minutes. That was when I gave the Kenya station a call asking if I could help by staying on the frequency and listening for any response from Dallas. He agreed, said his name was Bill and he would return in 30 minutes.

Bill returned at 1925Z and asked, "N3HLY - Ken are you still there?" I replied that I had heard nothing from Dallas. I offered to make a phone call but Bill thanked me and said he would call later.

I turned off my radio, sat back, feeling good about trying to help someone. I hadn't handled any earth shaking message but I did feel good knowing that the casual Amateur Radio contact I had with far away Kenya had provided the potential of helping in such a situation. Isn't that what Ham Radio is all about?

## WARNING

Postal authorities have begun an aggressive enforcement of regulations which prohibit the mention of prizes or award drawings in ANY classes of mail. Mention of door prizes, grand prizes, 50-50 drawings, etc, etc., are prohibited. Before you reproduce any hamfest fliers or other advertising in your newsletter, read it very carefully. Even "hints" to get around the mention of prizes should be carefully avoided.

Auto-Call is a 501(C)(3) non-profit organization and we must be especially careful not to jeopardize our permit. Any mention of prizes is always removed from any copy we use. We will also reword any copy which might appear to indicate improper operation - such as mention of improper handling of third party traffic or anything that might be construed as commercial use of Amateur Radio. We do not condone improper operation and we're trying to keep you out of trouble, too. The FCC is doing a good job of monitoring these days! We're glad to see it.

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(703) 486-4232





# the EEB Hamgram

HAM & SWL NEWSLETTER

The HAMGRAM is a free service from EEB to all subscribers (Want to subscribe? Just fill in the subscription blank) and is intended to keep you, our customers and readers, informed about new products, special sales, close-out items, club & VEC information, and other news of interest.

You'll see it here before you see it in the big four monthly magazines. Why? Because we don't have ninety day lead times before publication.

We want your inputs: How can we serve you better? Is there a special product you would like to see at EEB? Please use the comment blank in this issue to reply.

## GSA CONTRACT

EEB is presently negotiating a contract with GSA. This particular contract involves many popular amateur radio products.

Amateur radio equipment gives our government more bang for the buck than most specially designed equipment. It is a well known fact that many pieces of amateur equipment function as well, and some better, than high priced specially designed equipment. The cost savings advantages for purchasing amateur equipment are real and very important in these days of tight budgets.

All items on this contract will be negotiated once per year. Therefore the procurement cycle is reduced in time span, reducing delays, and making fast availability of products.

If you work for the U.S. Government please keep EEB's new GSA contract in mind.

## Wanted: Trade-ins

Trader Scott says he needs late model used ham gear and is ready for some **real wheeling and dealing**.

Now is the time to upgrade to that new state of the art rig.

Also, Scott's consignment sales rack is quite low on stock, so dust off that equipment you no longer need and bring it over and let Scott turn it into cash for you

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### Directions to EEB

from the Beltway: Exit 11B Tysons Corner - go 9 lights and one block - turn right on Mill Street

from Route 66: Exit 17 Vienna - turn left - go 1 mile to Maple Street - turn right - go 2 lights and one block - turn left on Mill Street

EEB is a light green warehouse about 1/4 mile down Mill Street on the right. Look for a 50' tower on the front.

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'til 9 on Thur

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(800)368-3270

### Electronic Equipment Bank

323 Mill Street, NE

Vienna, VA 22180



# SRAM – 022

## (Soviet Radio Amateur Movement)

Edited by Dexter Anderson, W4KM

[Following are summary translations from the Soviet Amateur Press]  
[Comments in square brackets or footnotes are by translator]

[from June 1990 issue of RADIO magazine]

### "TIME FOR SEARCHING, TIME FOR CHANGE"

by Anatoliy Vladimirovich Gorokhovskiy, Editor-in-Chief, RADIO magazine

The V Plenum of the DOSAAF Central Committee decided to call, in December 1990, an All-Union DOSAAF Conference with rights equivalent to those of a DOSAAF Congress. Perestroyka [Restructuring] in DOSAAF will determine the future, in fact the fate, of the Society and the relationship to it of those who remain members. It must be recognized that the times of "mechanical" [i.e. automatic] membership in DOSAAF are over.

A change in the Society's name is under discussion; DOSAAF is to be transformed from a centralized organization into a Union of Societies and Organizations Assisting in the Strengthening of the Defense of the Country. Republic defense societies and other societies and organizations, including informal ones, could become members, with equal rights.

The very basic organizational changes proposed for the Society cannot fail to affect radio amateurs. In the early '70s, club operation was caused great harm, from which amateur radio in the DOSAAF system has not yet recovered.

### "TOGETHER OR ALONGSIDE?"

Valeriy Pakhomov, [UA3AO,] member, Shortwave Section, Moscow City Sport-Technical Radio Club: In developing suggestions for replacing DOSAAF, we should consider overseas experience. In America, for example, there exists the American radio amateur league and alongside it the united military radiosystem engaged in developing radio in the interest of the army, air force, and navy. [I can only guess this refers to MARS.]

G. Yurchenko, Chairman, Ultrashortwave Section, Moscow City Sport-Technical Radio Club: ... Finally, permission was given to operate packet, but only to those with first-category stations. I don't think this makes sense. In our club, twenty people have the first category. Twelve of these 20 people with first-category stations don't intend to operate packet because they're too old to master a new technique. But we have 308 members, mostly young inquisitive people, with second- and third-category stations, who are prohibited from using the new type of communication. So who will master packet communication? The remaining 8 people [with first-category stations]. Isn't this too few?

A. Novoselov, Chief of the Council of the Timiryazevskiy Inter-Rayon Sport-Technical Radio Club: ... We get a lot of help from the DOSAAF rayon committee. For this reason, I don't think we should leave the Defense Society.

Leonid Mikhaylovich Labutin, [UA3CR/AB4LZ,] Member, Moscow City Sport-Technical Radio Club: I have a different point of view. I'm firmly convinced that our organizational troubles and our lag behind the technical level of civilized countries is due to the DOSAAF monopoly. The course of events in our country has convincingly shown the harm done by monopolies. The condition of our amateur radio movement is an example. In my view, the only way to change anything is to renounce the "ruling" role of DOSAAF (which in my view acts as a brake). Alternative radio amateur societies and organizations to the existing FRS of the USSR must be created. Here are concrete suggestions:



**LAST OF THE YEAR!**

COLUMBIA AMATEUR RADIO ASSOCIATION, INC  
PRESENTS ITS 14TH ANNUAL

# CARA HAMFEST

SUNDAY, 14 OCTOBER 1990

8:00 am - 3:30 pm

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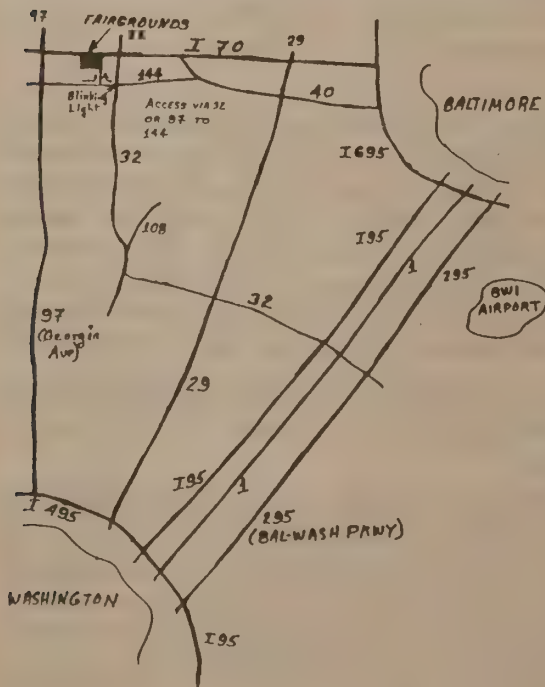
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(301) 486-2609 / 765-7918  
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(ANSWERING MACHINE)  
(301) 997-5052



## SRAM – 022 - Continued

1. A plenum of the Federation of Radio Sport [FRS] should take a decision to abolish the present complete control presently exercised by DOSAAF and the FRS USSR over the amateur radio community. The plenum should allow the establishment of an independent alternative Union of Radio Amateurs or of any other individual groups or associations.
2. The Union of Radio Amateurs and other public amateur radio groups must be guided by all-Union laws and be independent of all extraneous organizations.
3. The leaders of the Union of Radio Amateurs should be elected for two-year terms from among experienced radio amateurs and be eligible for re-election once or twice. Officials of the Union should receive pay from members' dues.
4. The Ministry of Communication of the USSR and the amateur radio community should be requested to draft a new instruction defining the status of radio amateurs; the instruction should be confirmed and issued by the Ministry.
5. The new instruction should not provide issuance of a radiostation operating permit upon application of any organization.
6. Monitoring should be conducted by the Ministry of Communication of the USSR and by radio amateurs themselves.
7. Radio amateurs wishing to receive permission to operate on the air should not be obliged to be members of the Union or of any other organization.
8. License examinations should be administered locally, like driver-license examinations. A qualifying commission should be confirmed by local organs of the Ministry of Communication.
9. Licenses should be issued by the Ministry of Communication of the USSR, based upon a certificate [spravka] issued by the qualifying commission and stating that the category of examination in question has been passed.
10. The exchange of QSL cards, issuance of special call signs, and representation of the Soviet radio amateur movement in international organizations should be worked out by the Federation of Radio Sport (retaining its old structure), the Union of Radio Amateurs, and other groups.

### "TO RADIO AMATEURS OF THE SOVIET UNION"

(Appeal by the 2nd Conference of Radio Amateurs of the Volga area)

Comrade Radio Amateurs!

The state of affairs in shortwave and ultrashortwave amateur radio causes us deep concern. The rate of increase in our ranks doesn't at all match the progress being made in communications. The introduction of computers and the use of repeaters in amateur radiocommunication are being held back artificially. Amateur interest in competitions is falling. The level of culture on the amateur airwaves is getting lower and lower. Constructive proposals set forth in the decisions of several radio amateur conferences are practically ignored by official organs. The drafting, clearing, and confirmation of basic documents and instructions regulating amateur radio activity have dragged on for years. Participation by the community in the drafting of such documents is minimal.

This state of affairs bears testimony to the fact that the structure that has grown up under the aegis of DOSAAF isn't capable of resolving the problems of developing and managing the radio amateur movement in this country.

Local and regional associations and clubs should be established; based on these, republic associations and an all-Union society of radio amateurs can be created.

Voluntary membership, economic independence, and a democratic structure must be the basic principles underlying the creation of these associations.

Only we ourselves, the radio amateurs, can change the situation for the better.

Radio amateurs of the country, unite!'



## SRAM – 022 - Continued

### "RADIOSTATION RETURNED"

Last year Khar'kov radioamateur Aleksey Nikolayevich Melenets appealed to "Radio" for help. The local UVD<sup>2</sup>, based on slander by "well-wishers," confiscated his radio equipment. "Radio" sent his complaint to the Office of the Prosecutor of the USSR and A. Melenets received this letter from the Khar'kov Public Prosecutor's Office:

"Your complaint to the editors of 'Radio' magazine about the illegal confiscation of radio equipment has been examined by the Khar'kov City Public Prosecutor's Office.

"It has been determined that the radio equipment confiscated from you ... is being kept at the present time in the radio operator's office of the Khar'kov UVD.

"To receive the radio equipment, you will need to contact the Chief of the Khar'kov UVD, who has been instructed to return the radio equipment to you."

Comrade Melenets sent "Radio" a copy of a receipt he had to give the militia:

"Receipt. I, Melenets, Aleksey Nikolayevich, residing at Apt. 148, 175 Sverdlov St., Khar'kov, have received from workers of the UVD of the city of Khar'kov C-1-13 oscilloscope No. 030604 in partially working condition, 1978 UZ-54 electronic-calculating frequency meter No. 809164 not in working condition, a 23RTN radiostation without batteries and with damaged wiring, and three batteries, in my apartment, in the presence of my mother, Melenets, Nataliya Grigor'yevna. Melenets, A."

"All's well that ends well," Melenets notes bitterly, but nobody apologized and he had to see to the repair of the damaged equipment at his own expense.

Shame on you, comrades of the Khar'kov UVD!

### "ALL FLAGS AS OUR GUESTS"<sup>3</sup> by B. V. Gnusov, UA1DJ, Leningrad

The Federation of Radio Sport of the USSR [FRS USSR] and SRAL were co-organizers of the first gathering of Radio Amateurs from the USSR and Finland in August 1989. Excellent presentations were given by Martti Laine, OH2BH, Dr. Sergey Georgiyevich Bunin, UB5UN, Robert G. Cox, K3EST, and others.

Shortwave and ultrashortwave stations "commanded" by UV1AA and UA1MC were set up in the Leningrad suburb of Petrodvorets. A meeting took place at the Central Yacht Club of the Oblast' Council of the All-Union Voluntary Physical-Culture Association of Trade Unions, from which special station 4L1FS operated.

SRAL and "Inter-Radio" have discussed the second gathering, INTERNATIONAL HAMVENTION LENINGRAD-90, agreeing on dates (3 - 6 August), number of participants (350), and duties (the Finnish side will invite Western radio amateurs and "Inter-Radio" will invite amateurs from the USSR, Eastern Europe, and Asia).

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<sup>1</sup>Based on the Marxist slogan "Workers of the world, unite!"

<sup>2</sup>The UVD is the local level of the MVD, successor to the NKVD (narodnyy komissariat ynutrennikh del - People's Commissariat of Internal Affairs). The militia (police) comes under the MVD, which is currently separate from the KGB.

<sup>3</sup>Drawn from or inspired by Pushkin's poem "Mednyy Vsadnik" ("The Bronze Horseman"), about Peter the Great's vision of the role of the city (St. Petersburg-Petrograd-Leningrad) he founded as Russia's "window to the West."



## Congratulations to:

**Fred Laun - K3ZO** of Temple Hills, Maryland on becoming Editor of the IARU Region II News. Fred, a journalist with the U.S. Information Agency has revived the publication after several years of its being inactive. It is the official organ of the ITU region II of the IARU. The newsletter will be published approximately every four months. The next issue is planned for November. Fred welcomes input. He can be reached via packet K3ZO @ K3NA.

(Thanks W5YI Report 9/15)

## Silent Keys

**John Abel - K4AM**, died August 27 of cancer and emphysema. He came to the Washington area in 1933 and worked as an electrical engineer at the Naval Research Laboratory from 1940 until his retirement in 1974. He had been a ham radio operator since his teens and in the 1950s and 1960s he was scoutmaster of Troop 111 in Arlington. He is survived by his wife Alice of Arlington and a son in Oakland.

(Submitted by W3ABC)

**Josef Kiefer - W3ALU** became a Silent Key on August 6. Joe was born in the Black Forest region of Germany and came to Baltimore in 1949. He and his wife Frieda owned and operated a cleaning and tailoring business there until their retirement, then moved to Edgewater. Joe was buried in the Black Forest.

Submitted by Anne Arundel Radio Club

**David Talley - W2PF** died of a heart attack in Miami, FL on June 24 at the age of 86. Dave was licensed in 1915 and was one of the most active and best known of the Old Timers. He helped organize the AARS - the forerunner of MARS, and was one of the founding members of the Quarter Century Wireless Assn. He was a Fellow in the Radio Club of America, and a Life Senior Member of IEEE. Dave contributed a great deal to the Amateur Service and his influence will continue to be felt for many years.

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## One Day at a Time

There are two days in each week about which we should not worry. Two days which should be kept free from fear and apprehension.

One of these days is Yesterday, with its mistakes and cares, its faults and blunders, its aches and pains. Yesterday has passed forever beyond our control. All the money in the world cannot bring back Yesterday. We cannot undo a single act we performed; We cannot erase a single word said. Yesterday is gone.

The other day we should not worry about is Tomorrow. Its possible adversities, its burdens, its large promises and poor performances. Tomorrow is beyond our control. Tomorrow's sun will rise whether in splendor or behind a mask of clouds. But it will rise. Until it does, we have no stake in Tomorrow, for it is yet unborn.

This leaves only one day - Today. Any man can fight the battles of just one day. It is when you add the burdens of those two awful eternities - Yesterday and Tomorrow - that we break down. It is often times the remorse or bitterness for something which happened Yesterday and the dread of What Tomorrow may bring.

Let us, therefore, live one day at a time.

(From QCWA News March 1976)



## **DXPO-90 CANCELLED**

It is with deep regret that the National Capitol DX Association announces the cancellation of DXPO-90.

At our membership meeting on Saturday, August 4, it was voted to take this action as we are not at this time in a position to put on a show of the high quality and program content for which we are so well known.

We are hoping there will be more NCDXA DXPOs in the future, and we are maintaining our mailing list and list of all those who have attended past DXPOs. All will be notified of any future plans for NCDXA DXPOs. If you would like to be added to this future mailing list, please send the appropriate information to:

Stuart Meyer, W2GHK  
2417 Newton Street  
Vienna, VA 22181  
Phone (703) 281-3806  
FAX (703) 281-3868



## **Auto-Call Subscription Rate Increase**

**\$8.00/year Effective 1 January**

Auto-Call keeps getting bigger and better as time goes on and our number of subscribers has doubled in the last four years. But costs have been going up, too, and we're not making ends meet. The price of subscriptions is going to have to go up.

Six years ago we were putting out a 32 page magazine and getting \$6.00 a year for a subscription. Now we are putting out 64 pages a good deal of the time - and we're still charging \$6.00. Printing costs have gone up, mailing cost have gone up and there is a threat of another postage increase, everything has gone up except our income. We have kept hoping to attract more Display Advertisers to bring in additional money but we haven't been successful. In the mean time, the Foundation has been subsidizing the magazine and considering it as a services to the community, but the "bite" is beginning to hurt. Effective 1 January 1991, the subscription rate will be increased to \$8.00/year.

We think even that is a real bargain but, up to the end of this year, you will still be able to enter a new subscription or renewal of subscription at the present rate of \$6.00 per year. The only catch is that the subscription period may not extend beyond December of 1992. At that time we want to have another look at the budget. If we can get some more Display Advertisers by then, there shouldn't be any need for any change.

Help us find those advertisers. Auto-Call really can offer a good market for electronic/radio/computer oriented businesses. There are many businesses that could get high return for their advertising dollar in Auto-Call. And don't forget that Hams like to do business with other hams. Advertise your own product or services.

**ADVERTISE IN AUTO-CALL**



## DX Corner

### A Letter from New Delhi

By Bob Blumberg, AA4U/VU2NBT

[Written to the Arlington Amateur Radio Club]

I've been keeping up with your activities through Auto-Call and I've been very pleased to see how active the Arlington club is. How come as soon as I leave things really pick up? Is there a lesson in this?

After a 10½ month wait, my Indian license (VU2NBT) arrived in February 1990. To say the least, there was a lot of pent-up demand for playing radio.

We live not far from some Embassies, so our row house rooftop just looks like another Embassy with a Cushcraft A-3 with 40 meter element on a 10 foot tripod, two HF vertical, OSCAR antennas, 2-meter vertical (and the "company" VHF antenna), all within a 30' x 30' area!.

We have the first two floors of the row house and our landlord lives on the top. Needless to say, I was concerned about getting roof access. One day not long after we arrived the landlord noticed the magnet wire antenna I had strung out the window for SWling and asked about it. I carefully edged into the wireless subject. Before I even asked about rooftop access, he said, "You know, the roof is yours for whatever you wish!" I managed to retain my composure and calmly replied, "Thank You."

The QSL bureau here had been dead for two year, so the demand for VU cards is great and I can cause a nice pileup every time I get on. It's like running my own little contest for an hour or so whenever I want, which is great for a contester like me. I usually work CW on HF and retreat to OSCAR or nice leisurely chats on SSB, although here are sometimes pileups there. OSCAR 13 produces excellent signals here. The Government won't give the U.S. Embassy permission for a satellite uplink, but I have one! There are a few stations on 2-meter FM simplex here and I've been told there are a few repeaters in India. I've been using the WB2DND logging software and send a monthly disk to my QSL manager (WA4FVT) to append to the master file.

I've been trying to start a new radio club to replace the defunct one, but we have been unable to find a meeting place. There just aren't such things readily available here. At home we could use the community room of a bank or similar.

I've been keeping very busy with various computer and energy consulting jobs. My goal of no more than 4 hours work per day has been violated terribly lately. This is not good. I have, however, learned that being a dependent spouse is the way nature intended things! It's been great to say on a week day, "Today we put up antennas!" [Ed. note: The working YF, Andrea, holds Technician class license.]

Living here is not without its frustrations. People here exist in four centuries simultaneously, which causes some strange events and philosophies. Everyone gets sick. The intestinal buggies here are pretty robust and nasty. Even if one drinks only boiled and filtered water and eats fruits and vegetables soaked in Clorox and washed with detergent, one still gets sick. Medical problems abound and the medical facilities are far below Western standards. Anything beyond a relatively minor problem requires a medical evacuation to Frankfurt or Bangkok.

We have about six months of very nice weather - reasonable days and cool nights. The other six months it gets really hot - up to about 117F during the day, but dry. Then the monsoons arrive and the temperature drops a little but the humidity shoots up. When the electricity goes off it gets real hot real fast when you are without an air conditioner.

(Continued)



## A Letter from New Delhi - Continued

Shortly after we arrived, New Delhi got local access to a PAD (packet assembler disassembler) with a gateway to the international X.25 data system. By calling a local number, I can connect to Telenet or Tymnet in the U.S. within seconds at a cost of 24¢ per minute and 13¢ for every 640 characters transmitted or received. This compares with almost \$4 per minute for long distance phone. So I can exchange E-Mail with Washington daily, originate FAXes from home, etc. It's made the world seem a lot smaller. . . .

I usually have skeds on 14,064 on Fridays at 0300Z (short path) and Saturdays at 1200 and 1230Z (long path) - this may change with the shift back to EST. I made some 80-meter CW long path contacts with the U.S. earlier in the year. Apparently this zone is very rare on 80 from the U.S. and it causes quite a stir. . . .

I'm not sure when we will be back in the U.S. - probably sometime in the fall. We will pass through Washington and be on the N4EFJ repeater and hope to make it to a club meeting.

Everyone keep up the good work.

Bob Blumberg - AA4U

## The Russians Are Coming

We have had a number of Russian hams in the area lately and it looks like Glasnost is really reaching to the person-to-person contacts. Gena, who operates at club station UL8JWT in Kazakhstan, was at the Gaithersburg Hamfest and stopped to pick up a copy of AUTO-CALL. Alex, a communications specialist from the Soviet Embassy visited the Mt. Vernon Field Day operation and was invited to attend some of the local radio clubs. And Amateurs around the world have been watching with sympathetic concern the recovery of UA4FAY who was seriously injured in an automobile accident while enroute to a radiosport event. In the great fraternity of Amateur Radio "there are no strangers, only hams we haven't met yet."

## 9L1US in Sierra Leone

Another globe trotting DXer is Dave Heil - K8MN who is now operating 9L1US in Sierra Leone. The photo below shows Dave and his beautiful Finnish wife, Leila, visiting with Ken Miller, K6IR just before they left for Dave's latest assignment.





# **T-MARC**

## **The Middle Atlantic FM and Repeater Council**

**Mailing Address: 7623 Old Washington Road, Woodbine, Maryland 21797**

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### **T-MARC ANNUAL MEETING SET FOR OCTOBER 7th**

The Annual T-MARC meeting is scheduled for October 7th at 2 p.m. at the Savage Community Hall in Savage, Maryland. The meeting place is near the junction of I-95 and MD Route 32 between Washington and Baltimore. Talk-in will be available on the Jessup, MD 146.76/224.76/444.00 MHz repeaters.

This is the annual, general membership meeting and election of officers. In addition, there will be discussions of policies and other matters of interest to repeater users and the Amateur community as a whole.

Topics of possible discussion will be the recent ARRL activity concerning input regarding the 6 meter and 900 MHz band plans, as well as possible coordination policy changes. Last year there was discussion as to whether T-MARC should get involved in coordination of packet operations. This appears to still be a hot topic.

For Council members who have not yet paid their dues, a reminder that the general meeting is also a time for membership renewal. Forms will be available at the meeting and dues should be paid on or before this meeting. If one can not attend the meeting but wishes to pay dues, these can be sent to T-MARC, 7623 Old Washington Road, Woodbine, MD 21797.

### **RECENT COORDINATIONS IN T-MARC AREA**

The T-MARC coordination of the 147.315 MHz K4SAD repeater was cancelled when the repeater was relocated into the South Eastern Repeater Association coordination area.

A new 224.340 MHz repeater was coordinated at Manassas, VA to KB4CVL. A 223.720 MHz repeater was coordinated at Sterling, VA to the Sterling Park A.R.C.

Coordination of the 447.975 MHz repeater at Hagerstown, MD was relinquished by Don Hawbaker and T-MARC issued a new coordination to the Antietam Radio Association for repeater operation on the same frequency and location.

In addition, Dave Boltson relinquished his coordination of the 224.020 MHz repeater at Leesburg, VA. New coordination was issued to John Brown, KC3BM, for repeater operation on the same frequency at the same location.

An Amateur knocked on the heavenly gate, his face was worn and old  
He stood before the man of fate for admission to the fold.

"How have you served?", St. Peter said, "To gain admission here?"

"I've been a repeater coordinator, Sir," he said, "for many and many a year."

The pearly gates swung open wide as St. Peter touched the bell;

"Come in and choose your harp," he said, "You've had your share of Hell."

(From Lake Erie ARA via PARC Newsletter, Freemont, Nebraska)



## Ham of the Month Criteria

Following are guidelines for nominations for FAR HAM OF THE MONTH.

**QUALIFICATIONS:** ANY licensed Amateur in the local area who has contributed significantly to the Amateur service and/or its image in the community.

**REQUIRED INFORMATION:** 1. Name, call and address of nominee.  
2. Description of the contributions which have been made by the nominee.  
3. Name, call and phone number of person making the nomination.

**NOMINATION FORMAT:** Nomination in narrative form is preferred. Please be sure the material is factual. We would like to keep the finished article to no more than one page (about 1800 words), but you may write as much as you need to do a good job of "selling" your candidate. Any necessary editing can be done later by the committee. In most cases the committee will be in touch with the person who submits the nomination before publication is made.

**AWARD PRESENTATION:** Whenever possible, Ham of the Month awards will be presented by a FAR representative at a local club meeting or special activity.

There are over 50 clubs within the Foundation and there must be many "special" people deserving of recognition. Send in your nominations any time throughout the year. Development of the award process will be based on the volume and quality of activity.

Three Foundation Trustees will serve on the committee to select the FAR HAM OF THE MONTH. Both Maryland and Virginia residents are involved on the committee and they are hoping to receive nominations from all local clubs and all jurisdictions. election of one candidate will be made each month. Any additional nominations may be held for consideration in future months. We suggest maintaining confidentiality whenever possible. Any award is best received as a surprise.

For further information contact HAM OF THE MONTH committee Chairman Tony Young, WA3YLO at (301) 262-1917. Send nominations in care of AUTO-CALL.

P.O. Box 7612

Falls Church, VA. 22040-1452

### July Ham of the Month Alan Fener - N3EHD

Receives congratulations and a framed certificate from FAR VP WA3YLO.



### Where are all the Nominations???

Considering the number of people who are working their hearts out day in and day out for the promotion of the Amateur Service, we expected to be deluged with nominations for Ham of the Month. Instead, we have been two months without a single nomination! There must be a multitude of people out there who deserve a few kind words of recognition. How about the various Hamfest chairmen and their hard working committee people? How about the VE Teams, Training Teams, the "Elmers," the repeater sponsors, and on and on. There are so many people who do so much and get so little recognition. Please, take out just a few minutes and write up a nomination.

## "Ole Virginia Hams" Amateur Radio Club

Meetings: Third Monday of each month, 8:00 p.m., Northern Virginia Coop Building, 10323 Lomond Drive, Manassas, Virginia  
Net: Each Thursday, 8:00 p.m., 146.97 and 224.66  
Information: Harry Vorhauer - W4PVA 703-368-6050  
Steve Frick - N4OGR 703-361-0008 or Metro 690-6547  
Mail Address: Ole Virginia Hams ARC, PO Box 1255, Manassas, VA 22110

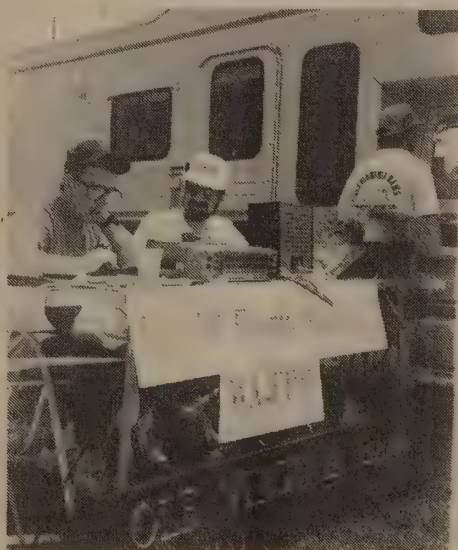
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The Ole Virginia Hams ARC operated a Special Event station on Sunday, August 26, and helped with public safety communications during the reenactment of the Civil War battles of Bristow Station and Second Manassas. This reenactment is an annual event and draws participants from as far away as New York State. It is a two day event in which the reenactors camp and live in authentic period style and reenact the battles.

The photos were taken at the James Long Park near Catharin, Virginia.

Jeff Barr - KB4IWD



Photos by Jeff Barr, KB4IWD



# Baltimore Radio Amateur TV Society

Meetings: Bi-monthly, Irregular  
Address: P.O. Box 5915, Baltimore, MD 21208

Any reprints from this column must be approved in advance

The BRATS would like to thank each of the more than 4,000 visitors, vendors and tailgaters who participated in the success of The Famous BRATS Maryland Hamfest and Computer Fest at Timonium on July 29th. It was the biggest and best BRATS hamfest yet!

On August 25 and 26, members of The BRATS answered the phones at Maryland Public Television's last on-the-air Membership Drive. It is anticipated that subsequent drives will be by phone and mail solicitation. This drive will end more than 12 years of BRATS participation with MPT.

We continue to upgrade and improve the W3DID Repeater system with additional receive sites on 2 meters and 440. There will also be additional user-accessible features, as we continue with the Repeater(s) Improvement Program (RIP). Additional inputs and outputs are also planned for the ATV Repeater. Eventually, there will be inputs and outputs on all 3 bands: 440, 900 and 1.2 GHz.

Our next Irregular Bi-Monthly Meeting is scheduled for October 16, when we will visit the Baltimore County 911 Center.

Mayer - W3GXX

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## Pentagon Amateur Radio Club

Meetings: Monthly, on the second Wednesday of the month. Noon.  
PARC clubroom (5B272), The Pentagon  
Repeater: K4AF/R, 444.55 MHz. CTCSS 88.5 sometimes in effect.  
Packet: 145.07, Digi - K4AF, Mailbox - PARC, Node - PNTAGN.  
Mailing: P.O. Box 47063, Washington, DC 20050  
Information: David G. Boyd - K9MX (202) 695-2020 or (703) 659-6241 or  
William Klein - N4VBW (202) 697-8157 or (703) 590-2546

Events in the Persian Gulf area (Arabian Gulf, if you prefer) have had a substantial effect on lunch time attendance in the clubroom, but when members are present most tend to gather around the new Yaesu FT-1000 to play with all the bells and whistles and listen to Iraq Jack on Baghdad Radio (13.660 MHz, 1400 to 1600 local, in English).

By the time this appears in print, we expect to have held - if enough club members are still in the area - an antenna party to do major work on our antennas, rotors, and cabling. By the time we

finish we hope to actually be able to turn the monobander!

Bob Bonn had a few minutes to kill recently, stopped by the clubroom, muttered a number of things under his breath about the #\$/@%'s who visit the club at lunch and leave their trash behind and leave it to us to make the station look livable again. As he left, he was heard to say something about replacing the locks on the station and making sure nothing that could be converted to trash is carried in.

Spike - K9MX

# **Metrovision**

## **FAST SCAN - COLOR - ATV**

**Meetings:** Quarterly: Call for next meeting time and place.  
**Repeater:** WA9GVK/4 (Video and Audio) 425-431 MHz in; 438-444 MHz out  
Also accessible on 144.970, simplex, audio.  
**On-the-air:** Sundays at 8:00 p.m.  
**Mailing:** Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041  
**Information:** Dick - WB3EPX (301) 439-8135  
Gene - AD3F (301) 774-5307

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We would like to take the opportunity to welcome our newest member to the Metrovision fold. He is Bob Butts - KD3EP from Washington, D.C. We hope to see Bob on ATV real soon.

Lee - N4LXI and Gene - AD3F provided live TV coverage during the bicycling portion of the Reston, Virginia Youth Triathlon on Sunday, July 22. We are pleased that they were able to participate in this event and hope that others would be able to do similar coverage in the future. It is always a good thing when Amateur Radio operators get involved in public service events.

The quality of the video from the 426 MHz ATV repeater has been very good lately, improvements to the system. Any financial contributions you can make to this worthwhile cause will be greatly appreciated.

We are planning to have our annual metrovision sit-down dinner on Sunday, October 14 at 5:00 p.m. The dinner will be held at Blackies House of Beef in Springfield, Virginia. Each person will be responsible for selecting from the menu whatever he or she desires and for paying the individual price and tip. We will probably get one check for all and then divide it accordingly. Please try and let me know in advance if you are planning to attend. We want to thank Mike King - KA3TMQ for taking care of the details for the dinner.

The following photo was taken at the July picnic which was held at the Bruns residence in Glenwood, Maryland. See additional photos on page 36.

See you on ATV.

Dick - WB3EPX



*Sam - N3GHY with his TV camera.*



*More members of Metrovision  
Enjoying the July Picnic*



*Some of the Hard Working Crew  
At the Gaithersburg Hamfest*



*John Durr, Bob Moore—N3CKD, Jim Green—WB3DJU*

*Bob, W4SQL and YF Obie*

*Phil, W3ELS and Jim, WB3DJU*





# Arlington Amateur Radio Club

**Meetings:** Third Tuesday of each month at 7:30 p.m.  
Arlington Red Cross Chapter House, 4333 Arlington Blvd. (Rte. 50)  
**Net:** Tuesdays (except meeting nights) at 7:30 p.m. on 144.87/145.47 MHz FM  
**Info:** Craig Church, N4EFJ (703) 979-8325

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## August Meeting

Craig Church - N4EFJ, President of the Arlington ARC, opened the August 21 meeting by announcing that Ken - N4YGN was Member Number 100 for 1990. For a club that had barely a score of members in 1989, this was quite an accomplishment, indeed. Not satisfied, however, Craig reminded members that a second round of club Novice classes would begin September 5!

Jim - KM4XG reported that the club will be holding an amateur radio license exam on September 29, at the Ballston Commons office building, 4200 Wilson Blvd., on the same block as the Ballston Commons Metro Station. Registration begins at 9 am. For further information, contact Joe - AB4RA at 243-5734.

Craig then announced the results of the August 18 fox hunt. The "foxes", Al - KK4XB and Robert - KC4ONW proved to be quite clever in their ability to elude detection. Hiding in the grass in Langley Park near the Central Intelligence Agency Headquarters, the pair were not found for approximately two and a half hours. The first to discover the diabolical duo was Kevin - KC4PVA, who employed a curious dipole array that proved just slightly better than the tracking gear skillfully used by Joe - WA4FXN. Although there was a great deal of commentary about the lack of transmitting by the foxes, this technique made the hunt very realistic and tested to the ultimate the mettle of the searchers. Craig - N4EFJ plans to hold another transmitter hunt some time in October.

Craig next reported that the club's tower project may have hit a snag. Apparently the documentation supplied by the Red Cross may be inadequate to secure a construction permit from the county. Several members offered to help get around this latest snarl of red tape.

Finally, Rick - N4ASX reported that the club will have a tailgate space at the Gaithersburg HamFest, September 9. The spot will be available to club members for selling equipment and socializing. Drinks and other refreshments will also be available.

After the business portion of the meeting, club members were treated to the latest video production by Joe - AB4RA, featuring the club's 1990 Field Day. Joe's masterpiece, which developed a cult following even before it premiered, was produced from videotape shot by Al - KK4XB, Peter - WB3KQM, Tom - N4BYF, and his own footage. Everyone agreed it was a great show. "It was sure better than Friday Night Videos," one member said after the meeting.

## Upcoming Events

The Arlington ARC has a busy schedule of public service events on the horizon. For instance, on September 22, the club has been asked to provide communications support for the Red Cross in the National Airport Emergency Preparedness Drill. The drill will simulate rescue work after a plane crash at the airport. This event will serve as the annual Simulated Emergency Test of the Arlington County ARES. To volunteer, contact Arlington County EC Craig - N4EFJ at 979-8325.

On October 1, hams will assist at the Wheelchair Race of Champions, a race from Purcellville along the bike trail to the Washington Monument. If you are interested in participating, contact Bob - N4SCK at 830-3495.

The club has been asked to provide assistance at the Columbus Day parade in Arlington October 6. In fact, the club has been invited to enter an Amateur Radio float in the parade. A float could be a real riot.

(Continued)



# Mt. Vernon Amateur Radio Club (MVARC)

**Meetings:** Second Thursday of Each Month, 7:30 p.m.  
Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria  
**Repeater:** WB4PDP/R 146.055 input 146.655 output  
**Nets:** Every Tuesday at 8:00 pm (0100 UTC Wednesday's)  
Starts on 2-meter then moves to 10-meter on 28.405  
**Information:** Chris Morrow, W4WYL (703)765-5964  
**Training Classes:** John Forrest, NZ4A (703) 971-3905  
**Mailing Address:** c/o Chris Morrow, W4WYL, 7408 Recard Ln., Alexandria, VA 22307  
**December Program:** Christmas Party

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Several visitors stopped by the 1990 Field Day operation of the Mt. Vernon ARC at Fort Hunt Park, thanks to the publicity campaign of Marci Kant - KM4VM in the Washington Post and other local publications. Marci set up a big display and gave out information and answered questions on ham radio from a table piled high with back issues of Auto-Call. Alex, a communications specialist from the Soviet Embassy who had just arrived in the U.S., came with his wife and son on Sunday morning to see the Field Day operation after seeing the notice in the Washington Post. Alex had heard about ham radio in the Soviet Union and was curious about what Field

Day was. Steve Hood - WB4WKK and several other Mt. Vernon ARC hams showed Alex and his family the five station set-up in tents and the laptop computer logging contacts, courtesy of Frank Mackey - N4GUS. We invited Alex to look up some ham radio clubs and learn more about Amateur Radio. He left the Field Day site with a copy of Auto-Call in hand, so perhaps some DC area club will get a member from UA land! Alex's visit may be a sign that person to person contacts with Soviet hams (and prospective hams) are getting much easier. Let's hops so.

David Cowhig - WA1LBP

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## Arlington Amateur Radio Club - Continued

Several clubs have recently operated Amateur Radio floats similar to the one used on January 1 by the Pasadena ARC in the Tournament of Roses Parade.

The club also plans to participate in the worldwide Boy Scout/Girl Scout Jamboree on the Air (JOTA) 1990 by inviting scouts to visit the club station, W4WVP, October 20 or 21 to contact other participating scouts around the world. If you know of any Boy or Girl Scout units (Brownies, Explorers, etc.)

that would be interested in participating, please invite them to contact Mike - NW3V at 241-5618 (eves). Mike hopes that the solar flare which almost killed propagation during JOTA last year won't recur this year.

Finally, the club will provide communications support at the Marine Corps Marathon on November 10. More details will be available at the September Meeting.

Frank - WB8OFR and Mike - NW3V

# Vienna Wireless Society

25 Years of Public Service

Meetings:	2nd and 4th Fridays of each month, 7:30 p.m. Vienna Community Center, 120 Cherry Street, Vienna, VA
Repeaters:	K4HTA/R 146.085 in/146.685 out 222.340 in/223.940 out, 448.250 in/443.250 out
Nets:	Every Thursday at 7:30 p.m. on 146.085 in and 146.685 out. Pow-Wow Net Every Night at 9:00 p.m. at 28.400 MHz Brian Treadwell, WV4V (703) 938-1442 (H), (202) 457-7179 (O)
Information:	Brian Treadwell, WV4V (703) 938-1442 (H), (202) 457-7179 (O)
Training Classes:	Paul Wilkins, AB4CY (703) 560-2779
Mailing Address:	P.O. Box 418, Vienna, VA 22183

August was a pretty good month for Vienna Wireless. Our annual picnic came off on a sunny Saturday after a week of rain. It was held at Whitepost Restorations in Whitepost, Virginia, about an hour west of Vienna off of Route 50. It's a unique institution which restores vintage motor cars to original condition. They have wood specialist for frames, upholsterers for seating, and a complete metal shop that can turn out fenders and door panels or engine part. They can even match original paint colors. It was a pleasure to listen to the enthusiasm of somebody really committed to craftsmanship. There are several mint condition 1937 Cords for sale. Of course, if you have to ask "how much," you probably can't afford them. They restore about 60 vehicles a year.

At our first August meeting, we tried for a little membership feedback and found some interesting things. Of our two hundred plus members (about 30 are absentee) about 70 are "active." We have more than 50% Advanced and Extra Class license holders who rate their on-the-air activity at between little and some. Though the members average being licensed for 12 years, the majority have been club members for less than 5 years. Of the 41 members who responded to the question, only 5 had an XYL that was interested in the hobby.

Our second August meeting was a session with Kieth - WU2Y, who journeyed down from Jersey to give a talk and demo on computer assisted hamming. His computer called up DX packet cluster nets and printed selected tidbits on the

screen. Then, with a mouse, it could highlight a call sign, check the log file, set the rig frequency and mode (keeping you out of band segments not covered by your license). All this without lifting a finger. He also had an optical disc version of the U.S. Callbook. Punch in a call and in six seconds or less the printer spits out a date, time, RST, handle and QTH on a completed QSL card. As someone remarked, "this thing could take the exam, get its own license and go contesting all by itself!"

We're adding a wrinkle to this fall's training class in that if the attendees want to put together a simple 40 cw receiver kit, we have enough "Elmers" to provide over-the-shoulder support. We're encouraging this to eliminate the excuse that there's no way to practice code between weekly class sessions. It should also make that section on operating procedures easier to understand if they have had a month or so of on-the-air monitoring.

The Vienna Pow-wow net is going strong each night except meeting nights. It's at 28.400 MHz at 9:00 local time. Join us for a friendly QSO.

Paul - AB4CY





# Southern Maryland Amateur Radio Club

**Meetings:** 2nd Friday of each month at 7:30 p.m.  
Church of the Nativity, 5203 Manchester Drive, Temple Hills, Maryland.

**Nets:** Tuesdays at 8:00 p.m. on 147.75/15 Repeater  
Thursdays at 8:00 p.m. on 28.447 USB

**Packet:** WA3TAI full service PBBS in Ackokeek, MD 145.03 & 446.075  
SMD (WA3TAI-5) NET/ROM Node in Ackokeek, MD

**Repeater:** W3PT/R 147.75/15, Cheltenham, MD. Autopatch to 911

**Mailing:** P.O. Box 273, Cheltenham, MD 20623

**Information:** Vic & Linda Curtis, WA3YUV & KA3VNI (301) 888-1388

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SMARC is gearing up for a busy fall season. Don Darby, KA3VNE, is coordinating communications for the Marine Corps Marathon on November 4, and will be looking for any and all interested volunteers from the D. C. area. Anyone interested please give Don a call at (301) 843-5999 or leave him a packet message on WA3TAI. SMARC will also be providing an HF station for the Boy Scout JOTA at Andrews Air Force Base on October 20 and 21. Tentative plans call for setting up a station on St. Clement's Island for the blessing of the fleet in October and a Special Event Station on Cobb Island sometime in December to commemorate the first trans-Atlantic voice transmission (working CW only, of course!).

The club's nominating committee is beating the bushes looking for the best qualified people to be drafted into office for next year, and individual members are fine tuning their stations to prepare for the fall contest season. Another club activity which will have passed by the time this is published is our booth at the

Gaithersburg Hamfest. We hope to gain some new members for the club and several of us are hoping to unload some junk (read: great bargains) from our basements. If this is (was) successful, look for SMARC booths at future ham-fests.

SMARC would like to publicly thank Irene Akers, W3RXJ, for serving as our FAR representative for the last ten years. Irene announced her plans to step down a few months ago, and last month, Bill and Martha Supp, N3HVJ and N3HVK, agreed to take over as our new FAR rep and alternate. Irene should be able to retire with a pension after all the service she's provided to the club.

Motorola has given the club a delivery date for the new repeater. The new machine, along with some new duplexers, should be on line about the time this newsletter comes out. Once the new repeater is on line and de-bugged, the repeater committee has plans for future expansion that we can start working on. Stay tuned.

Lee - KF3T




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# Sterling Park Amateur Radio Club

**Meetings:** Third Monday of the month except December, July and August  
At Sterling Community Center Annex, Church Road (Rt. 625)  
near Route 28, Sterling, Virginia

**Net:** Monday nights (except meeting nights), 8:00 p.m. on 28.320 MHz.

**Mailing:** Box 599, Sterling, VA 22170

**Information:** Dick Maylott, W4LMJ (703) 430-3842 or  
Joe D'Angelo, WB2SAI (703) 444-1252

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At our June meeting, the last before our summer break, we finalized our comments related to the new licensing proposal. Joe - WB2SAI subsequently completed and filed our response with the FCC. In a nutshell, they supported the no-code proposal, requested retention of the Novice and Technician classes, and extended the frequency allocations to include two meters. We also elected officers for the coming year. Starting September 2, the officers are:

**Pres:** Dick Maylott - W4LMJ  
**V.P.:** Forrest Snyder - N4UTY  
**Sec.:** Joe D'Angelo - WB2SAI  
**Treas:** Floyd Martin - W4RW

Art Nevins - WA4NTP continues his outstanding job as editor of the SPARC Gap.

Field Day last June was a resounding success. Evan Mann - KM4SK handled publicity with several newspapers, and provided roadsigns which helped visitors find their way to Park View High School. We concentrated our efforts toward acquiring "bonus points" and encouraging operation of the stations by club members and visitors alike. Coordination of the effort by Bill Rowlett - KC4ATU, with major assistance from Joe - WB2SAI, resulted in two well-manned regular stations, plus a Novice/Tech position. The school's light poles served as supports for two multiband dipoles and a quad loop. A trap vertical rounded out the antennas. Floyd - W4RW supplied our call, plus lots of supplies and equipment. A packet station was provided and operated by Duane - K4UW and a satellite demonstration station rounded out the gear. The July SPARC Gap provided the full

write-up, including pictures by Chris - WA1ZXX.

Ken Ness - KA3FNH is back in town after six months of travelling throughout the U.S. and Canada, up into Alaska, and back. His transceiver in his trailer provided many hours of enjoyment during the trip.

Although our 10-meter net activity has wilted a bit with the summertime heat, many club members are active on the 146.715 Sterling repeater, and our own 223.72 repeater is on the air, although not at its permanent location.

Our September meeting was planned as an open house for all local Amateurs. Since it will be history as you read this, we're sorry if you missed it. However, feel free to call any of the officers if you would like information about the club, or drop by for one of our meetings on the third Monday of the month. There's usually a talk-in on 146.55 simplex.

Dick - W4LMJ

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# Laurel Amateur Radio Club

## A Volunteer Examiner Coordinator

Meetings:	4th Wednesday of each month, 8:00 p.m. at Capitol College on Springfield Road, Laurel.
Social:	2nd Wednesday of each month except December. (Call for directions.)
Nets:	1st & 3rd (5th) Wednesday of each month, 8:30 p.m. on 147.54 simplex.
Mail:	P.O. Box 3039, Laurel, MD 20709-0039
Exams:	4th Saturday of each month, 10:00 a.m. at Maryland Radio Center.
Information:	John - W3GFS (301) 490-5286 or Pud - W3DQI (301) 498-6293

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We just finished our Special Event for the year and what an event it was! On the weekend of 25-26 August, we operated WA4AVU/4 from the Big Meadows area of Shenandoah National Park (Skyline Drive). From an elevation of over 3500 feet above sea level, we set up and operated two HF stations, 6-meter SSB, 2-meter FM and SSB, and 432 MHz SSB. Over 20 club members and their families came out for the weekend, either camping or staying in a nearby lodge. During the 24 hours of operation, we made about 450 contacts.

On 6-meters, we made 27 contacts in 8 grid squares located in 6 states. Contacts were as far away as Oklahoma and Louisiana. Not too bad for less than 10 watts and a 5-element beam!

2-meter SSB saw 46 contacts in 14 grid squares, 8 states and Ontario. This rig was about 50 watts into a 12-element beam. On 2-meter FM, we made 59 contacts in 3 states. Some interesting ones here included a few surprised hams on HTs and rubber ducks at distances of 75 to 100 miles. The FM rig was also running about 50 watts into a 12 element beam.

432 MHz was a pleasant surprise with 11 contacts in 4 grid squares and 3 states. They established contact as far away as North Carolina and were heard well into New England.

All told, it was a great weekend. If you were one of the stations we contacted and would like a very nice 8x10 photo certificate, please send a stamped SASE (QSLs are enjoyed but not required) to the club address above.

On other topics, we hope to see you at Gaithersburg where we will be running the information booth and providing an exam session Sunday morning. If you are interested in a **FREE Novice Class** starting soon, call for information. Many other club activities are coming up this fall and will be described in upcoming installments.

If you live in the greater Laurel area and are interested in joining an active club - come to a meeting, give us a call on 147.54, or call for information.

John - W3GFS

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## Special Event Activity

The Radio Club of Junior High School 22, New York, N.Y., will operate Special Event station WB2JKJ on October 17-19 to commemorate the 10th anniversary of the club and **Education Through Communications**. Look for WB2JKJ from 1100 to 1900 UTC on 7.238 and 21.395 MHz from the "Core of the Big Apple." For an outrageous card, QSL to: The 22 Crew, POB 1052, New York NY 10002.

# Woodbridge Wireless, Inc

**Meetings:** 3rd Tuesday of each month, at 7:30 p.m.  
Tall Oaks Community Center, Lake Ridge.  
Intersection of Hedges Run Drive and Cotton Mill Drive.

**Repeater:** WB4FQR/R 147.84/24 and 449.9/444.9  
WB4GJZ/R 223.18/78

**Nets:** Mondays, 8:00 p.m. local (0100 UTC) 147.84/24, 223.18/224/78  
(the repeaters are linked for the net.)  
Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz  
Saturdays at 9:00 p.m. - in new 10 Meter Novice band 28.460 MHz SSB

**Mailing Address:** P.O. Box 112, Woodbridge, VA 22194

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It's been a long summer and this reporter has been mobiling much too often for his tastes. Following are some of the notes circulating about the Woodbridge Wireless, Inc.

A slow speed CW net will start on September 6 at 7:00 p.m. on 28.200 MHz. It will run every Thursday evening. We had one of these once and it fizzled out. We have a new crop of recent radio class graduates who may be at loose ends on Thursday (class) nights. Practicing CW is an excellent way to cure the loose ends.

Sam Summers from the Prince William County Communications Center visited the August WWI meeting. His main topic was the recent bogus call for help on a local police frequency which made the headlines. A ham himself, he knows about our DFers (rabbit hunters) and the effective net we could raise quickly. He requested WWI DFing help in the event of another emergency. He will go through our emergency committee chairman Jack, WD4KOF.

Speaking of DFers, our local DX column writer, Denis has decided we need to revive rabbit hunts. Anyone who is interested in Rabbit Hunting (the radio direction finding type) contact John, K4EBS, or Denis, WD4KXB. Besides one "live" rabbit hunt recently, the club hasn't conducted rabbit hunting contests since April 1986. Besides being a lot of fun, rabbit hunts give the participants practice in direction finding techniques and prepare the club for real applications of DFing such as tracking down noise sources, inadvertent "hot mikes", or illegal operations.

Denis also reports that US SPRINT will permit calls at no charge to help soldiers and sailors in the Middle East reach their families via amateur radio and the US Sprint system in emergencies, the company announced August 28th. Amateur Radio and MARS operators can participate in the program. Suggest you contact your Sprint folks for any specifics.

Here are a couple of other tidbits from "Mr. DX" of WWI:

A Saudi Arabian call sign, 7Z1AB, has been assigned to the Amateur Radio station at the American Embassy. At the present time, there are four operators at the embassy expected to use the new call. All QSL cards go to the American Embassy, PO Box 9041, Riyadh, 11413, Saudi Arabia.

If you need East Germany (Y2-8) on any band or mode, work it now. It looks like it might go away in October, when the Germanies unite. If you work it before the deletion date, it will count for your overall DXCC totals.

Our August program featured John, N4PKL, describing his latest trip to Russia and how it differed from his previous trip. John also collects Soviet humor such as: "What is the difference between Capitalism and Communism? Answer: With Capitalism, man takes advantage of man; with Communism it is just the opposite."

The WWI welcomes former members AA4UC, Glen Casselman and family and K4MLA, Larry Reynolds back to the group.

Jim - WJ4M



# Anne Arundel Radio Club

- Meetings: 1st and 3rd Thursdays at 8:00 p.m.  
Davidsonville Family Recreation Center, Queen Anne Bridge &  
Wayson Roads off MD Rt. 214 near Annapolis.
- On-the-air: Thursdays when there is no club meeting, 2030 Local on 147.705/105  
Tuesdays at 2030 local time on 28.410.  
The Chesapeake Bay Weather & Traffic Net on 147.705/105  
at 1100 and 1500 every weekend day and public holiday  
from April 1 to November 15.  
Maryland Slow Net (MSN) every evening at 1930 on 3.7170 MHz  
W3VPR Packet Bulletin Board on 145.09 MHz.  
W3VPR Packet Bulletin Board on 223.40 MHz
- Address: P.O. Box 308, Davidsonville, MD 21035
- Information: Margaret (Holly) Bevan - N3BMB (301) 923-0229

At the August 23rd Club meeting, Barbara McNaught, Warning and Preparedness Meteorologist with the National Weather Service Forecast Office in Sterling, VA, presented a very interesting program on SKYWARN, the plan to use volunteer weather observers for reporting dangerous weather conditions. The Skywarn program is being expanded and the office will be seeking more volunteers. Spotter training seminars are planned. Anyone interested in this training may send for a spotter sign-up form to: National Weather Service Forecast Office, RD #1, Box 107, Sterling, VA 22170.

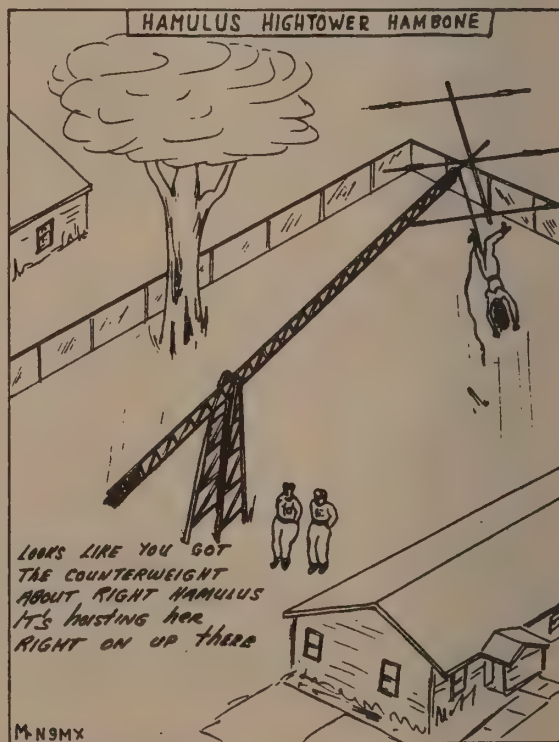
The topic for the October meeting will be MARS (Military Affiliate Radio Service). The speaker will be from the MARS station at Andrews Airforce Base. They, as well as the Navy and Army MARS stations, will be needing volunteers if and when they obtain permission to transmit Health and Welfare messages into Saudia Arabia.

We regret to report that Club Member Josef K. Kiefer/W3ALU became a silent key on August 6th. Joe was born in the Black Forest region of Germany and served in the German Army during World War II, before coming to Baltimore in 1949. He was a retired tailor. He and his wife Frieda owned and operated AIRCO, a cleaning and tailoring business in Baltimore, before retiring to Edgewater. He was buried in the Black Forest.

The Club's 10-meter net, which can be heard each Tuesday evening at 8:30 on 28.410 MHz has become much more active of late. Gordon Kellenberger - WB3CLG has resumed his vignettes of local history. They are well worth tuning in to hear.

We have a number of members with new calls: Carole Connoly - KA3WTP, Dick Nibeck - N3IKE (was KA3UQY), Bob Israel - WC3I (was KB3SY), Gordon Davids -N3IJJ (was KA3WJY), Lewis Hendrixson - N3IJK (was KA3WKG) and Mike Mulrooney - N3ILE (was KA3WKJ).

Holly - N3BMB



# Maryland Mobileers

**Meetings:** First Friday of each month at 1930 hours. Basement of Police C.I.D.  
Building at Crownsville State Hospital Grounds  
Route 178 and Crownsville Road.  
**Repeater:** 146.805 MHz (output) in Millersville  
**Nets:** Mondays - 8:30 p.m. on 146.805 - Traffic and Information Net  
Tuesdays - 8:00 p.m. on 144.215 - SSB Net  
Wednesdays - 8:00 p.m. on 147.495 - FX Simplex Net  
**Contact:** Bill Dillon - WA3SCW ((301) 551-8972 or  
'@ K3IVO' in packet  
**Address:** P.O. Box 935, Severna Park, Md 21144

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**New Members:** N3ALX, N2GTE,  
N3IGU, KB4JXK, KU3Q, N5QLB

**Guest Speakers:** Hugh Turnbull,  
W3ABC (ARRL Atlantic Division Director)  
spoke on ARRL matters.  
W4NHK spoke on High Frequency  
Communications.  
and W3YVQ (State RACES/ARES  
coordinator) was the other speaker.

**Special Event:** At the May Special  
Event operation aboard the submarine  
U.S.S. TORKS in Baltimore's inner  
harbor, MMARC had 200 QSOs in 39  
states. A good time was had by all  
operators.

**Field Day:** MMARC had 380 CW and  
311 SSB QSO's (9565 points before  
duping) for Field Day. KO4A, N3EI,  
KC3GY, KD3QA, AND NG1W (now  
WB3W) spent the entire 24 hours at  
the Down's Park Field Day site. Other

participants included N3DEV, N3EYU,  
N3FGO, N3FHM, KC3JI, KA3OMU  
and WA3SCW. Guest operators included  
WA3FLU, N3HYR and KA3VWO.

**QSO Party:** KO4A organized a station  
to operate during the Maryland QSO  
Party. Two HF stations and a VHF  
station were put together and operated  
from the Broadneck Public Library.

**Novice Class:** KO4A and N3EYU are  
looking to sponsor a Novice Class,  
possibly starting in January.

**Club Historian:** W3CVD has agreed to  
be the Club Historian. He is one of the  
"founding fathers" of the Maryland  
Mobileers ARC.

**Warbler Award:** KX3GY won the  
coveted Warbler Award for May. The  
Warbler Award was not issued for June  
through August since our time-out  
statistician, NU3D, was on vacation.

Bill Dillon - WA3SCW

## Foundation Meetings

The Foundation for Amateur Radio meets at 8:00 p.m. on the  
second Wednesday of each month.  
Meetings alternate between Maryland and Virginia  
Membership is open to any Amateur Radio organization in the local area  
Phone (301) 725-5822 for information  
**Visitors are always welcome**  
The next meeting will be October 17  
At Takoma Park, Maryland  
Columbia Union College Science Building Auditorium, Flower Avenue  
Talk-in on 147.315



# MADRAS

The Maryland Apple Dumpling Radio Amateur Society Inc.

Meetings: 2nd and 4th Tuesdays of the Month - 7:00 p.m.  
At the NBC Building, 4001 Nebraska Avenue, N.W.  
Repeaters: 145.45/145.85 MHz  
444.100/449.100 MHz  
BBS: (301) 258-1954  
Mailing: P.O. Box 2468, Wheaton, MD 20902  
Information: Scott Standiford, W3YTW (301) 885-4333 or  
Larry Zeichek, N3GKZ (301) 984-6112

## Schedule of Events

**October 9th** - First regular meeting of the month. Nominations are to be made for officers for the year 1990-1991. A program on Oscilloscopes will be given by Larry Zeichek - N3GKZ.

**October 23rd** - Election of officers. The speaker is not confirmed for this meeting. Notices will be sent to members when we have confirmation.

We now have the transmitter section of the MADRAS 440 MHz repeater working nicely. The receiver remains a problem. We have no schematic from which to work and so we are flying blind as we attempt to trouble shoot our way through it. The full repeater is a Motorola J74XBY3101 AT. The receiver within it is a TLD1340AFSP20. It is a solid state receiver, one of the very first made by the manufacturer for the 440 band. If anyone has any documentation on this unit, please contact Scott - W3YTW at (301) 885-4333 or Larry - N3GKZ at (301) 984-6112.

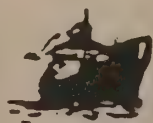
The antenna goes up on the tower sometime this month. If this receiver problem is solved, we can be on the air by the end of the month. This will be a very powerful repeater. Our ERP will be 150 watts with an H.A.A.T of 716' from a choice site in northwest Washington, D.C. I would like to thank all who have helped make the 440 repeater happen.

While we are on the topic of repeaters, there is discussion within the club of linking the 440 machine to a co-located repeater on 1200 MHz. We have the site. If you are interested in either of these projects, your participation is needed. Please attend one of our meetings.

In other club news, Charles - KD3IM and Jon - KA3OVK have each moved to a new QTH. Congratulations are in order.

The fox is still traveling abroad. We hope to have him back in time for a November hunt.

Scott - W3YTW



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Of Wireless Pioneers

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# Fauquier Amateur Radio Club

**Meetings:** Second Tuesday of each month, 7:30 p.m.  
Shadow Lawn Center, Warrenton, Virginia

**Repeaters:** 147.165 Voice, 145.070 Packet

**Net:** Each Wednesday, 9:00 p.m., 147.165

**Information:** Bob Taylor, KC4CVG. (703) 439-2786 (H)  
(703) 642-6070 (Work)

**Mail Address:** Route 1, Box 445, Amissville, Virginia 22002

Congratulations are extended to Neil Spokes on receipt of his new Amateur Extra callsign, AB4YK.

FARC club members Larry Walker - K4LLQ, Bill Moneysmith - W4NFR, Chuck Gould - N4YXW, Randy Mays - WA6VFC, and Bill Mills - KC5PF are providing operational assistance to the U.S. Army MARS station at Vint Hill Farm Station.

Randy Mays - WA6VFC lead the FARC effort in building and installing the W4SQQ memorial 2-meter packet bulletin board station at Vint Hill Farm Station. Randy was ably assisted on the project by

Chuck Gould - N4YXW and Larry Walker - K4LLQ. The packet bulletin board operates on 145.09 and provides routing tables for mail forwarding. If you plan to use the bulletin board, please identify yourself with Amateur callsign and your current U.S. Postal Service mail zip code.

The FARC novice training class meets at 7:00 p.m. each Wednesday at Vint Hill Farm Station and will be in session for ten weeks. For information, call Bill Mills - KC5PF (703) 818-3955 or (703) 937-4090.

Bill - KC5PF



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OCTOBER 12 - 13**

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**OR CALL: 816-561-0730**



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Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at a rate of 3¢ per word -- with a \$1 minimum. Commercial vendors and nonsubscriber rate is 17¢ per word - with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Estate sales for Widows Assistance handled by a FAR club will be published without cost. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 5th of the month preceding publication.

## WIDOW'S ASSISTANCE PROGRAM

Estate of John Abel, K4AM

- \* Astron RS-20A 13.8, 20 amp DC Power supply
- \* Yaesu 221 VHF Transceiver, Angle preamp installed
- \* ICOM IC 451A/E 430 MHz Final Amp w/custom built power supply
- \* Tokyo Hy Power HL-90U 430 MHz Final Amp w/custom built power supply.
- \* Vibroplex key Deluxe model.
- \* KLM Tri-bander 20/15/10, model KT-34A w/rotator
- \* Heath Linear Amp, 1KW, 80 - 10 meters
- \* Heath SWR/PWR Meter
- \* Microwave Modules 432 MHz Linear Transverter, MMT 432/28
- \* Sabtronics Digital multimeter 2000 DMM 3 1/2 digit
- \* Eico Grid dipper 710
- \* Tokyo Hi PWR 144 MHz low noise pre amp HRA-2
- \* Satellite antennas 144/430 MHz with rotators
- \* Heath Model IG 102, RF Signal Generator
- \* Heath Model 10 103, 5" triggered sweep oscilloscope
- \* C. Itoh Printer 8300R
- \* Conar TV pattern generator Model 682

Make Offer. Bill Getchell, W4LRD  
Widow's Assistance Program  
(703) 536-5994, Arlington, VA (FAR)

**WANTED:** Ham experienced as amplifier builder who can help me trouble-shoot an amplifier with two 3-500Zs. Will pay well. Private only. Live near Upper Marlboro, Maryland. Call collect evenings (301) 867-3593. Joe - N3EAL (10)

## NORM'S ROTOR SERVICE

Rebuilt Rotors, Parts & Service  
Call Norm Jeweler - K3LYW  
5263 Agro Drive  
Frederick, MD 21701  
(301) 874-5885

## FOR SALE: SUPER "SHACK"

Lovely Rambler in N. Springfield is waiting for you! Built-in Ham Shack wired for 220, 40' tower in place (neg), no antenna restrictions. Three bedrooms, Fire place in Living Room, large Kitchen, Family Room, etc. \$174,500. Call Jennifer Heinz (703) 569-5903 or (703) 866-3110, Springfield, VA (C10)

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## IMMEDIATE SALE:

KB4LK Must Move:

- ✦ TRISTAO MM-40 - 38' "Mini Mast" (tubular, crank, free standing)
  - ✦ MOSLEY TA-33 Beam (20' x 15' - 10')
  - ✦ CDE HAM III Rotor System
- Keith - KB4LK (703) 256-8798, Annandale, Virginia (10)

**FOR SALE:** Robot Camera 80 - Monitor 70 - Macro Lense, Menu boards and letters, Manuals . . . . . \$295  
ATV Tuner, Science Workshop ATVC-10, Manual . . . . . \$40  
UHF-VHF Meter - Werlatone Broadband 27 to 450 Mz. Two units . . . . \$50  
SBE 34, Manuals. Raytheon factory \$15  
Touchtone pads Genave TE-1 and CRD for conversion . . . . . Both \$35  
Magnetic Mobiliers Mikes, New.  
One Hi-Z, one Lo-Z, Headband & Switch. . . . . Each \$35  
RF Measurements Signal Generator 80-10 MHz to 480 MHz . . . . \$150  
Have two Rotors, some still cameras, organ, Beechnut Vertical, etc, etc  
Phone Larry - W3MSN (301) 894-3977, Oxon Hill, Maryland (X10)

**WANTED:** HEIL BM5K Boom microphone. Single headset for Kenwood. Also 1980 U.S. Callbook. Greg - KA3DBG (301) 946-6460, Rockville, MD. (12)

Need antenna or tower work done?

Call L. Chertok - W3GRF.  
(301) 297-4888



## Shack Sales

**FOR SALE:** ICOM 2AT, BP3, wall charger, 2 BP4s, DC-1, speaker, mic, leather case, manual - value \$250; Kenwood TS-520S, desk mic, MFJ antenna tuner, manuals (incl. svc.), extras (low-pass filters, dipole,...) value \$250. In top condition. Will sell ONLY as package. FIRM \$500 WA3AGP (301) 490-3308, Laurel (10)

**FOR SALE:** KENWOOD TH-25AT 2-meter HT with BC-11 desktop rapid charger and speaker/mic - \$350. RINGO RANGER 2-meter antenna, new in box - \$35. DRAKE L-4B amplifier - \$800. All are in excellent condition and with manuals. Call Charlie Wirth - WB3DDF (301) 384-0198, Silver Spring (10)

**FOR SALE:** KENWOOD TS-680 S Transceiver; with KENWOOD PS-430 power supply. Both 6 months old. (Going to Ten-Tec). Both for \$800. Will ship via UPS. Ray Peterson - K3TKK, 712 Vermont Ave., Salisbury, MD 21801 (301) 742-6003 (10)

**FOR SALE:** KENWOOD TR 2500 2-meter HT with extra battery . . . . . \$135  
YAESU FRG 9600 VHF/UHF Scanner Rx  
Frequency range 60 - 905 MHz -  
AM/FM/SSB . . . . . \$435  
Dave - WA4KUH Phone (703) 280-2462,  
Fairfax, VA (10)

**FOR SALE:** Simple Ham Radio Transmitters, Receivers, and Antennas, etc. you can build from junk parts or most under \$5.00. Send a SASE for FEE LIST

Jim Braddy, WA4DSO; 3037 Audrey Dr. Gastonia, North Carolina 28054 (11)

**WANTED:** QSTs for December 1915, December 1916, December 1919, June 1920, October 1921, All of 1922. Have some 1916-1917 & 1919 for trade. Bob - W4JNN (703) 560-7161 or write P.O. Box 166, Annandale, VA 22003 (10)

**WANTED:** Documentation and schematics on Motorola repeater J74XBY3101 AT and especially the receiver portion TLD1340AFSP20. The receiver is one of the very first made by Motorola for the 440 MHz band. Write MADRAS, P.O. Box 2468, Wheaton, MD 20902 or call (301) 885-4333 or (301) 984-6112.

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If'n you want it done right  
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(C41)

**FOR SALE:**

\* Rohn #6G, 42' Hinge base tower, 12" each side . . . . . 100  
\* Trylon ("Wire") tower. 30' Good for UHF/VHF or TV . . . . . \$50  
\* Collins #310 VFO/Exciter . . Free  
15 watts. You pick up.  
\* Transmatch, KW++, Heavy duty, silver plated roller coil with counter, built in SWR Meter . . \$75  
\* Antenna Switch unit with built in SWR meter and KW Low Pass filter, Heavy duty RF switches. Switches up to five antennas to five rigs \$30  
\* In-rush current protector with running time meter. Limits current to your rig when first turned on. Saves expensive tube . . . . . \$20  
\* Collins S-Line, Transmitter/Receiver, 100 watts. Complete plus extra transmitter, speech processor, tubsters, spare tubes. . . . . \$450  
\* E.F. Johndon Transmit/Receive switch, KW . . . . . \$15  
\* Tektronix Pulse generator #114. Like new . . . . . \$50  
Frank Hoose - K4RZ (703) 592-3891  
Bluemont, VA (between Leesburg and Winchester) (x11)

**WANTED:** U.S. Amateur Callbooks 1920 thru 1936 plus 1939, 1940, 1941, 1945, 1955. Phone Bob - W4JNN at (703)-560-7161 or write P.O. Box 166 Annandale, VA 22003. (10)

## QTC

### The story of a sea-going "Sparks"

By Ray Redwood, KA5HCX

This thoroughly enjoyable and well written book recounts the life of a ship's radio operator plying the globe on everything from a British merchant ship to tramp freighters and tankers. The book recounts many exciting moment in Sparks professional and private life and mixes a wealth of radio history with stories of rescues and mysteries of the sea.

"Sparks" are now becoming a fast vanishing breed. This book is a tribute to the profession and to all radio operators who have sailed the seven seas.

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# SHACK SALES

**WORLD RADIO**, Amateur Radio's monthly newspaper can be delivered to your doorstep for only \$13 per year (\$23 overseas). Get the latest on how your fellow amateurs use their hobby to help others. Regular features are Contest & Hamfest announcements, Aerials, Amateur Satellites, Digital Bus, DX World, Search & Rescue Communications, FCC Highlights, Mobile, New Products, Propagation, QCWA, QRP, Six Shots!, Station Appearance, Traffic, VE Exams, 10-10 International News. Send your subscription to **WORLD-RADIO**, 201 Lathrop Way, Ste. D, Sacramento, CA 95815. (Swp)

**FOR SALE:** Book describing the history of Amateur Radio as experienced by Don Wallace, W6AM. Written by Jan D. Perkins, N6AW. 350 pages, hardbound - \$19.95 pre-publication price. Available from Wallace & Wallace 11823 Slauson Ave. Suite 38, Santa Fe Springs, CA 90670

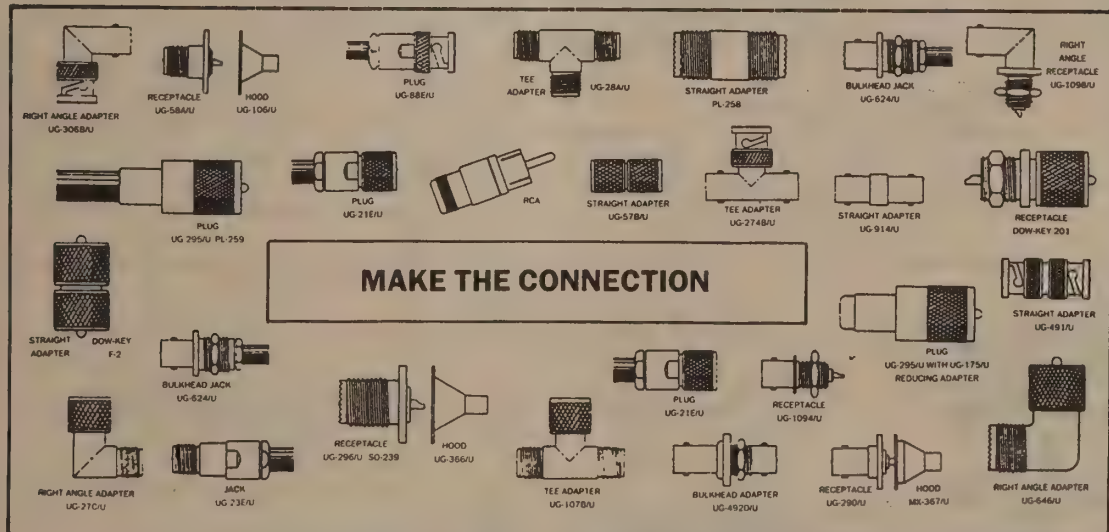
**WANTED:** Old, Odd and Foreign Bugs. Smiley - WB4EDB (703) 373-0996 Call collect or write PO Box 5150, Fredericksburg, Virginia 22043 (08)

**WANTED: HAM EQUIPMENT AND OTHER PROPERTY.** The Radio Club of Junior High School 22 NYC, Inc. is a non-profit organization, granted 501(C)(3) status by the IRS and incorporated with the goal of using the theme of ham radio to further and enhance the education of young people nationwide. Your property donation or financial support would be greatly appreciated and acknowledged with a receipt for your tax deductible contribution. Meet WB2JKJ and the "22 Crew" on the CLASSROOM NET, daily, 1100-1230 UTC, 7.238 MHz. Then from 1230 to 1900 on 21.395. We look forward to meeting RADIO CLUB OF AMERICA members and friends at the NY Athletic Club during the RCA banquet on November 16. Write us at: RC of JHS 22, P.O. Box 1052 NY 10002. 'Round the clock hotlines: Voice (516) 674-4072, FAX (516) 674-9600 (10 Pd)

**FOR SALE: HEATH HW-101 SSB Transceiver and power supply. . \$200**  
In perfect condition.  
Phone B. Schmidt - KA3JZH (301) 384-2493, Silver Spring, MD (10)

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TUNE IN THE WORLD - Book only (List \$14)  
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1-9 \$9.00 10-Up \$8.70

W3IS CODE OSCILLATOR 1-9 \$3.75

10-24 \$3.60 25-Up \$3.40

ARRL FCC RULEBOOK (List \$9.00)

1-9 \$8.20 10-Up \$7.65

NEW! QRP CLASSICS (List \$12)

1-9 \$10.95 10-Up \$10.20

NEW! WEATHER SATELLITE HANDBOOK

(List \$20) 1-9 \$18.25 10-Up \$17

NEW!! ARRL UHF/MICROWAVE EXPERIMENTER MANUAL

(List \$20) 1-9 \$18.25 10-Up \$17

NEW!! SOFTWARE FOR UHF/MICROWAVE MANUAL

(List \$10) 1-9 \$9.10 10-Up \$8.35

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Only pay actual shipping costs and 30¢ handling per order.

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(717-737-0850 Mastercard/Visa

Daily to 10 p.m. and weekend afternoons.  
(C09)

FOR SALE: CUSHCRAFT D3W 12, 17 and 30 Meter rotatable dipole. Used for 3 months. No rust \$80  
Fred - KC4MOP Phone (301) 567-9687 evenings. Oxon Hill, MD (10)

FOR SALE: MFJ Electronics Keyer Paddle (Never used) Model MFJ-422B with KOBEJ plastic cover. Keyer lists @ \$134.95, cover @ \$9.95. Sell both for \$110. Will ship via UPS. KENWOOD TS-680-S Transceiver; with Kenwood PS-430 Power Supply. Both 6 months old (going to Ten-Tec). Both for \$800. Ray Peterson - K3TKK, 712 Vermont Avenue, Salisbury, MD 21801. Phone (301) 742-6003 (10)

## BARGAIN PRICES

\$1.00 per column inch (usually about 33 words) for subscribers' Amateur related, noncommercial advertising.

ADVERTISE IN AUTO-CALL

FOR SALE: HAMMERLUND HQ110 RX \$70

HEATH DX40 Tx \$60

HEATH VF1 VFO \$15

Microphone \$10

Complete station \$130

HW8, Power Supply \$100

Autex Filter QF1 \$25

QRP Watt/SWR Meter HM-9 \$15

Complete station \$130

CLEG Mark 3 2-meter xtal T/R, and microphone \$125

MILLEN GDO type 90651, Mint condition, case and coils \$95

GALAXY II FC250 counter \$45

VIC 20, HamText, AEA CPL, Power Supply, Modulator, 8k RAM, Vic Cassette Recorder, Many Ham-, Games-, & Educational-programs \$125

Manuals for most items

You pay UPS or pick up at

Rt 70 just north of Hancock, MD over the PA line. Phone George - KD3QG (ex-WB3ASQ (717) 294-3743 (10X)

FOR SALE: TEN-TEC 2510 Mode B Satellite station with factory upgrade \$350

COLLINS 75S-3B \$350

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ADVERTISE IN AUTO-CALL

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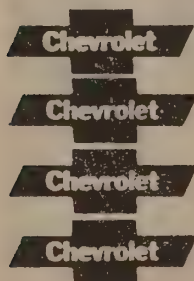
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Office: 949-2400

Home: 770-DAVE (8283)

*Dick Stevens*

10901 GEORGIA AVENUE  
WHEATON, MARYLAND 20802



*Serio & Company, Chartered*  
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1910 WOODMONT AVE. SUITE 1110 BETHESDA, MD 20814

JOHN T. NUTTMANN, CPA

(301) 652-5040

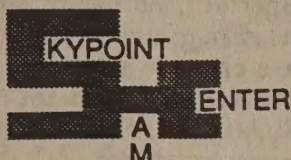


# Shack Sales



Become a part of one of the country's fastest-growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For a sample newsletter, write to Joe Koester, 249 Spring Gap South, Laurel, Maryland 20707. Phone (301) 725-4229. (SWP)

Attention Amateur Radio Newsletter Editors. AMATEUR RADIO NEWS SERVICE is an organization of publishers and editors of Amateur Radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information, write to Lee Knirko - W9MOL, 833 Park Plaine, Park Ridge, Illinois 60068 (SWP)



101 E. Holly Ave, Suite 3  
Sterling, VA 22170  
(703) 430-5555

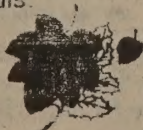
**Skypoint Ham Center**  
101 E. Holly Ave  
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703-430-5555

- \* Large inventory of used ham gear available..up to date & vintage!
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- \* Collins equipment a specialty!
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## Vintage Corner

Globe Sidebender  
Heathkit HW-16  
Hallicrafters HT-37  
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Eico 720  
Ameco TX-62  
Gonset GSB - 101  
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Atlas 215x  
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Collins 51J/ R388  
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Collins KWM-2A's  
Johnson 500  
Johnson Pacemaker  
Johnson 6 & 2  
Johnson Valiant  
Johnson Challenger  
Johnson Viking 11  
Johnson Ranger

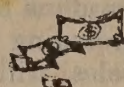
Many other pieces to numerous to list!  
Call for more details.



## MONTHLY FEATURE

Price reduction sale continues on linear amplifier stock!!

OCT  
90



Henry 2kd Classic..reg \$1395..now \$1286  
Ameritron AL-80A..reg \$995..now \$896  
Ameritron AL-84..reg \$549..now \$450  
B & W PT-2500A..reg \$2175..now \$1700  
TE Systems...call store for pricing!

## STORE HOURS:

Tue-Thur..10 - 6  
Fri..12 - 9  
Sat..9 - 6

Skypoint Ham Center is located on Route 846 or Sterling Park Blvd. Coming from Dulles on Route 28 north turn right on route 846. Out of Tysons take route 7 towards Leesburg and turn left on 846..Location is Holly Plaza Center. From Winchester and Leesburg take Route 7 to 846..



ACCEPTED

VISA



# AUTO-CALL POLICY

## PRODUCTION POLICY

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. All hard copy is re-typed to preserve uniformity of style in the magazine. We use Word Perfect 5.1 word processing program, Hayes compatible modem (300 or 1200 baud) and can use either 3½" or 5¼" MS-DOS diskettes.

In determining space requirements, figure 80 12-pitch characters per line and 60 lines per page - including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. (Copy space is 6¼" wide by 9" high.) Copy can be reduced or enlarged as necessary.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

## SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will **NOT** be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number - including city and state - is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

## ADVERTISING

### SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of Auto-Call at 3¢ per word - with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17¢ per word - with a \$5.50 minimum.

Special headings or special spacing may be used (e.g., one item per line) but such ads are charged at a column inch rate - \$1.00 per column inch for non-commercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

## DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

### Rates per Issue

Page	Col.inch	1 Year	6 Times	3 Times	1 Time
Full	18	\$75.00	\$90.00	\$100.00	\$105.00
1/2	9	55.00	65.00	71.00	75.00
1/3	6	40.00	46.00	51.00	54.00
1/4	4½	33.00	38.00	41.00	43.00
1/6	3	22.00	26.00	28.00	30.00
1/8	2¼	17.00	20.00	22.00	23.00
1/9	2	16.00	19.00	21.00	22.00
1/18	1	8.50	10.00	11.00	11.50

Based on camera-ready copy.  
Extra charges for halftoning photos  
and for in-house artwork or layout.

Copy must be received by the 5th  
of the month preceding publication date.  
(e.g., Copy for August issue must be received by 5 July)

All Advertising Must be Pre-paid





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City \_\_\_\_\_ Prov./State \_\_\_\_\_ PC/ZIP \_\_\_\_\_

\$30 in U.S. \$42 elsewhere (U.S. funds) Licensed amateurs or age 65 or over, upon submitting proof of age, may request special dues rate of \$24 in the U.S. \$36 elsewhere in U.S. funds. Persons age 17 and younger may qualify for special rates, write for application.

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA, MC, AMEX, Discover # \_\_\_\_\_

Signature \_\_\_\_\_ Expires \_\_\_\_\_

**The American Radio Relay League**

225 Main St.

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Atlantic Division Director  
Hugh Turnbull, W3ABC  
6903 Rhode Island Avenue  
College Park, MD 20740  
Phone: (301) 927-1797

Roanoke Division Director  
John Kanode, N4MM  
Rt 1, Box 73-A  
Boyce, VA 22620  
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# OCTOBER 1990

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<b>1</b> Adams Dept of State	<b>2</b> Antietam PG Wireless	<b>3</b> BARC MARC	<b>4</b> Anne Arundel	<b>5</b> Shenandoah	<b>6</b> Stafford Mobileers <u>EXAMS</u> College Park Richmond
<b>7</b> T-MARC Annual Mtg	<b>8</b> PVRC	<b>9</b> MADRAS Fauquier	<b>10</b> Laurel (Inf) Pentagon <del>FAR</del>	<b>11</b> Mt Vernon No VA	<b>12</b> Alexandria SMARC Vienna	<b>13</b> Stafford <u>EXAMS</u> Anne Arundel
<b>14</b> Metrocom MetroVis Dinner	<b>15</b> Ole VA Hams SPARC	<b>16</b> Antietam Arlington BRATS Woodbridge	<b>17</b> BARC Goddard MARC	<b>18</b> Anne Arundel QCWA #20	<b>19</b> RCARA Shenandoah	<b>20</b> Capital City Stafford Tri County SET
<b>21</b> SET	<b>22</b>	<b>23</b> Columbia MADRAS	<b>24</b> Laurel	<b>25</b> St Marys	<b>26</b> Alexandria New Carrollton Vienna	<b>27</b> Stafford <u>EXAMS</u> Laurel
<b>28</b> Adventists	<b>29</b>	<b>30</b>	<b>31</b> QCWA#20	NCDXA Net every Sunday 147.420 at 8:30 p.m.		

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